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OM nucleic - nucleic search, using sw model

Run on: May 27, 2003, 07:58:52 ; Search time 181.45 Seconds

(without alignments)  
6353.067 Million cell updates/sec

Title: US-09-825-682a-56

Perfect score: 873

Sequence: 1 ctccagcagatctgcact.....tcaaaaaaaaaaaaaaaaaa 873

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 828747 seqs, 660231138 residues

Total number of hits satisfying chosen parameters: 1657494

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

Published\_Applications\_MA: \*  
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13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq: \*  
14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	862	98.7	1610	10 US-09-827-948-1	Sequence 1, Appl1
2	843	96.6	1527	10 US-09-823-830A-95	Sequence 95, Appl1
3	825.2	94.5	1544	9 US-10-097-340-301	Sequence 301, Appl1
4	825.2	94.5	1544	10 US-09-880-107-3429	Sequence 3429, Ap
5	797.2	91.3	1558	9 US-10-097-340-303	Sequence 303, App
6	758.2	86.8	1649	10 US-09-925-301-424	Sequence 424, App
7	613.4	70.3	638	9 US-10-066-543-178	Sequence 178, App
8	572.4	65.6	586	9 US-10-066-543-1767	Sequence 1767, Ap
9	488.4	55.9	502	9 US-10-060-036-1731	Sequence 1731, Ap
10	457	52.3	469	9 US-10-066-543-1448	Sequence 1448, Ap
11	451.4	51.7	477	9 US-10-066-543-3358	Sequence 3358, Ap
12	441	50.5	453	9 US-10-066-543-2086	Sequence 2086, Ap
13	416	47.7	439	9 US-10-066-543-1692	Sequence 1692, Ap
14	316.4	36.2	320	10 US-10-076-622-293	Sequence 293, App
15	316.4	36.2	320	10 US-09-604-287A-293	Sequence 293, App
16	316.4	36.2	320	10 US-09-339-338-293	Sequence 293, App
17	316.4	36.2	320	10 US-10-007-805-293	Sequence 293, App
18	312.2	35.8	331	10 US-09-569-708-166	Sequence 166, App
19	312.2	35.8	331	10 US-09-880-107-2048	Sequence 2048, Ap

33 71.4 8.2 2482 9 US-10-245-427-9 Sequence 9, Appli  
94 71.4 8.2 2482 9 US-10-245-473-9 Sequence 9, Appli  
95 71.4 8.2 2482 9 US-10-245-770-9 Sequence 9, Appli  
96 71.4 8.2 2482 9 US-10-245-877-9 Sequence 9, Appli  
97 71.4 8.2 2482 9 US-10-246-976-9 Sequence 9, Appli  
98 71.4 8.2 2482 9 US-10-243-320-9 Sequence 9, Appli  
99 71.4 8.2 2482 10 US-09-742-201-1 Sequence 1, Appli  
c 100 68.2 7.8 277 10 US-09-960-352-8788 Sequence 8788, Ap

ALIGNMENTS

RESULT 1  
US-09-827-948-1  
; Sequence 1, Application US/09827948  
; Patent No. US20010029034A1  
; GENERAL INFORMATION:  
; APPLICANT: Gentz, Reiner, L.  
; APPLICANT: Hsu, Tsu-An  
; APPLICANT: Rosen, Craig A.  
; APPLICANT: Ni, Jian  
; TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3  
; FILE REFERENCE: 1488.129002  
; CURRENT APPLICATION NUMBER: US/09/827, 948  
; PRIORITY FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 09/013, 896  
; PRIORITY FILING DATE: 1998-01-27  
; NUMBER OF SEQ ID NOS: 31  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; LENGTH: 1610  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (361)..(1116)  
; NAME/KEY: s19-peptide  
; LOCATION: (361)..(439)  
; NAME/KEY: mat peptide  
; LOCATION: (442)..(1116)  
US-09-827-948-1

Query Match 98.7%; Score 862; DB 10; Length 1610;  
Best Local Similarity 99.9%; Pred. No. 8e-222;  
Matches 873; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 CTCACGACATATGTTCAACTATGTAAGAAATACGACCGCCAGCAGCTACTGGCCCTTG 60  
DB 726 CTCACGACATATGTTCAACTATGTAAGAAATACGACCGCCAGCAGCTACTGGCCCTTG 785  
QY 61 CCGTGACATCTCCACCGCTGACTTTCACTGAGAGAACTCCCTGCATTAATCTTAT 120  
DB 786 CCGTGACATCTCCACCGCTGACTTTCACTGAGAGAACTCCCTGCATTAATCTTAT 845  
QY 121 CTATGAGAGCTGCGGGGCAATAGAACAGCTACCGCTCTGAGGAGCCCTGATGCTCG 180  
DB 846 CTATGAGAGCTGCGGGGCAATAGAACAGCTACCGCTCTGAGGAGCCCTGATGCTCG 905  
QY 181 CTGCTTCGCGCAGAGAGAAATCTCTCCCTGGCCCTTGCTCAAAAGTGTGTTCTGGC 240  
DB 906 CTGCTTCGCGCAGAGAGAAATCTCTCCCTGGCCCTTGCTCAAAAGTGTGTTCTGGC 965  
QY 241 GGGGCTGTGCGATGATGATGATCTCTCTGGAGAGCCGCAATGCTACTGATCG 300  
DB 966 GGGGCTGTGCGATGATGATGATCTCTCTGGAGAGCCGCAATGCTACTGATCG 1025  
QY 301 GGTGACAGAGAGAACAGAGAGCTGCGCTGCGACCGCTCTGAGCTCCGAGATGACAA 360  
DB 1026 GGTGACAGAGAGAACAGAGAGCTGCGCTGCGACCGCTCTGAGCTCCGAGATGACAA 1085  
QY 361 GGAGCAGCTGTGGAAGAACATATGCTCTGTGACCGCCCTGTGCGCAAGAGACT-686 419  
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DB 1086 GGAGCAGCTGTGGAAGAACATATGCTCTGTGACCGCCCTGTGCGCAAGAGACTG86G 1145  
QY 420 AAGGAGAGGAGACTATGTGTGAGCTTTTAAATAGAGGATGACGCGATTTGAGT 479  
DB 1146 AAGGAGAGGAGACTATGTGTGAGCTTTTAAATAGAGGATGACGCGATTTGAGT 1205  
QY 480 GATCATATGAGGCTAGAGTCTGTTCTCTGAGAGGATGAGAGCGCTGCTTCTGTCGCA 539  
DB 1206 GATCATATGAGGCTAGAGTCTGTTCTCTGAGAGGATGAGAGCGCTGCTTCTGTCGCA 1265  
QY 540 GGGATGCGTTTCTTTGAAATCCCTAGAGAGCGCTCTCGATGAGCGCTGAGTTGG 599  
DB 1266 GGGATGCGTTTCTTTGAAATCCCTAGAGAGCGCTCTCGATGAGCGCTGAGTTGG 1325  
QY 600 CAGCAGCCCGAGTGTGTTCTCTCGATGAGATTTCTTCCGAGGATGAGTTCCTT 659  
DB 1326 CAGCAGCCCGAGTGTGTTCTCTCGATGAGATTTCTTCCGAGGATGAGTTCCTT 1385  
QY 660 GCTTATGTTGATTCATTCCTCTTTCTCATCAGAGATGATGTTGGAATGTTCT 719  
DB 1386 GCTTATGTTGATTCATTCCTCTTTCTCATCAGAGATGATGTTGGAATGTTCT 1445  
QY 720 TTTGTTGCTGATTTATGTTTATTTAGTTAAACAAAGTTTATTTATGATTCG 779  
DB 1446 TTTGTTGCTGATTTATGTTTATTTAGTTAAACAAAGTTTATTTATGATTCG 1505  
QY 780 AAGAGAGAGAAATATGACAAGTTTAAATAAAGAGGCGCTCCCTTTAGATAAT 839  
DB 1506 AAGAGAGAGAAATATGACAAGTTTAAATAAAGAGGCGCTCCCTTTAGATAAT 1565  
QY 840 TTTAGCATGTGCTTTCAAAAAA 873  
DB 1566 TTTAGCATGTGCTTTCAAAAAA 1599

RESULT 2  
US-09-822-830A-95  
; Sequence 95, Application US/09822830A  
; Patent No. US20020142952A1  
; GENERAL INFORMATION:  
; APPLICANT: Genetics Institute, Inc.  
; APPLICANT: Mong, Gordon G.  
; APPLICANT: Clark, Hilary  
; APPLICANT: Fechele, Kim  
; APPLICANT: Agostino, Michael J.  
; APPLICANT: Howes, Steven H.  
; APPLICANT: Resnick, Richard J.  
; APPLICANT: Gulukota, Kamalakari  
; APPLICANT: Graham, James R.  
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS  
; FILE REFERENCE: GIN 6402  
; CURRENT APPLICATION NUMBER: US/09/822, 830A  
; PRIORITY FILING DATE: 2001-03-29  
; PRIOR APPLICATION NUMBER: 60/195, 604  
; NUMBER OF SEQ ID NOS: 631  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 95  
; LENGTH: 1527  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-822-830A-95

Query Match 96.6%; Score 843; DB 10; Length 1527;  
Best Local Similarity 99.9%; Pred. No. 1e-216;  
Matches 854; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 CTCACGATATGTTCAACTATGTAAGAAATACGACCGCCAGCAGCTACTGGCCCTTG 60  
DB 673 CTCACGATATGTTCAACTATGTAAGAAATACGACCGCCAGCAGCTACTGGCCCTTG 732  
QY 61 CCGTACATCTTCCAGCCTGTGATCTTTGACGTGAGAGAGATCTGCAATATCTTCA 120  
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	Query Match	94.5%	Score 825.2	DB 10	Length 1544
	Best Local Similarity	98.5%	Pred. No. 6.3e-212		
	Matches 864	Conservative 0	Mismatches 9	Indels 4	Gaps 3
QY	1	CTCCAGGAGATGTTCAACTATGAGAGATATGTACCGGCACAGAGTACGTAGGCGCTTG			60
Db	666	CTCCAGGAGATGTTCAACTATGAGAGATATGTACCGGCACAGAGTACGTAGGCGCTTG			725
QY	61	CCGTGATCCTTCCACGCTGTACTTTGACGTGAGAGAGAACTCTGCATTAATCTTCAAT			120
Db	726	CCGTGATCCTTCCACGCTGTACTTTGACGTGAGAGAGAACTCTGCATTAATCTTCAAT			785
QY	121	CTATGAGAGGCGCGGGGCAATAAACACACTCCCTCTGAGAGGCGCTGCATGCMCG			180
Db	786	CTATGAGAGGCGCGGGGCAATAAACACACTCCCTCTGAGAGGCGCTGCATGCMCG			845
QY	181	CTGCTTCGGCAGGAGAGATCTCCCTTCGCCCTTGGCTCAAGAGTGATGGTCTTGAC			240

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1 RESULT 5
2 US-10-097-340-303
3 Sequence 303, Application US/10097340
4 Publication No. US20030087250A1
5 GENERAL INFORMATION:
6 APPLICANT: John MONAHAN
7 APPLICANT: Manjula CANNANVARAPU
8 APPLICANT: Sebastian HOERSCH
9 APPLICANT: Shubhangi KAMATKAR
10 APPLICANT: Steve G. KOVATS
11 APPLICANT: Rachel E. MEYERS
12 APPLICANT: Michael MORRISSEY
13 APPLICANT: Peter OLANDT
14 APPLICANT: Ami SEN
15 APPLICANT: Peter VEIBY
16 APPLICANT: Gordon B. MILLS
17 APPLICANT: Robert C. BAST, JR.
18 APPLICANT: Karen LU
19 APPLICANT: Rosemarie SCHMANDT
20 APPLICANT: Xumei ZHAO
21 APPLICANT: Karen GLATT
22 TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification
23 TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
24 FILE REFERENCE: MRI-030
25 CURRENT APPLICATION NUMBER: US/10/097.340

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; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 303
; LENGTH: 1558
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1558)
; OTHER INFORMATION: n = A,T,C or G
US-10-097-340-303
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Query Match          91.3%; Score 797.2; DB 9; Length 1558;
Best Local Similarity 95.5%; Pred. No. 2.2e-204;
Matches 823; Conservative 16; Mismatches 16; Indels 7; Gaps 2;
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QY      1 CTCACGACATATGTTCACTATGAAGAAATACGACCCGCAACGCAATCACTACGCGCTTG 60
DB      526 CTCACGACATATGTTCACTATGAAGAAATACGACCCGCAACGCAATCACTACGCGCTTG 585
QY      61 CCGTGACATCTTCCACGCTGATCTTACCTGAGAGAGAGACCTCGCAATTAATCTCAT 120
DB      586 CCGTGACATCTTCCACGCTGATCTTACCTGAGAGAGAGACCTCGCAATTAATCTCAT 645
QY      121 CTATGAGAGCTGCGGGGCAATAGAAGACGTAACCGCTCTGAGAGAGCTGATGCTCG 180
DB      646 CTATGAGAGCTGCGGGGCAATAGAAGACGTAACCGCTCTGAGAGAGCTGATGCTCG 705
QY      181 CTGCTTCCGCGCAGAGAGAAATCCCTCCCTGCGCTTGGCAAGAGTGGTCTTGCGC 240
DB      706 CTGCTTCCGCGCAGAGAGAAATCCCTCCCTGCGCTTGGCAAGAGTGGTCTTGCGC 765
QY      241 GGGGCTGTGCTGATGCTGTGATCTCTTCTGAGAGCTCAATGCTACTGATCGC 300
DB      766 GGGGCTGTGCTGATGCTGTGATCTCTTCTGAGAGCTCAATGCTACTGATCGC 825
QY      301 GGTGGCAGCGAAGAACAGAGAGCGTCCCTGCGCACCGCTCTGAGCTCGGAGATGACAA 360
DB      826 GGTGGCAGCGAAGAACAGAGAGCGTCCCTGCGCACCGCTCTGAGCTCGGAGATGACAA 885
QY      361 GAGAGAGCTGGTGAAGAAACATATGCTGAGAGCGGCTGAGAGCTCGGAGATGACAA 419
DB      886 GAGAGAGCTGGTGAAGAAACATATGCTGAGAGCGGCTGAGAGCTCGGAGATGACAA 945
QY      420 AAGGAGGAGAGACTATGTGAGCTTTTAAATAGAGGATTTGAGTGGATTGAGT 479
DB      946 AAGGAGGAGAGACTATGTGAGCTTTTAAATAGAGGATTTGAGTGGATTGAGT 1005
QY      480 GATCATTTAGGCTGAGCTGTGTTCTCTGAGAGAGTGAAGAGCTGCTTCTGCTGCA 539
DB      1006 GATCATTTAGGCTGAGCTGTGTTCTCTGAGAGAGTGAAGAGCTGCTTCTGCTGCA 1065
QY      540 GGGATGGTTGCTTTGAAATCTCTAGAGAGGCTGCTGAGAGAGCTGAGAGCTG 599
DB      1066 GGGATGGTTGCTTTGAAATCTCTAGAGAGGCTGCTGAGAGAGCTGAGAGCTG 1125
QY      600 CAGCAGCCCGAGATTGTTCTCGCTGATGATTTCTTCCAGAGTGAAGTTTCTTT 659
DB      1144 CAGCAGCCCGAGATTGTTCTCGCTGATGATTTCTTCCAGAGTGAAGTTTCTTT
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DB      1126 CAGCAGCCCGAGATTGTTCTCGCTGATGATTTCTTCCAGAGTGAAGTTTCTTT 1185
QY      660 GCTTATGTTGATTTCCATGCTGCTTTTCTCATGACAGAGATGTTGAAATGCTTCT 719
DB      1186 GCTTATGTTGATTTCCATGCTGCTTTTCTCATGACAGAGATGTTGAAATGCTTCT 1245
QY      720 TTTGTTGCTGATTTAGTTTATTTTAAACAAGTTTATTTATGATCTTG 779
DB      1246 TTTGTTGCTGATTTAGTTTATTTTAAACAAGTTTATTTATGATCTTG 1305
QY      780 AAGAGAGAAATTAATGTA-----CAAGTTTAATTAAGAGGCGCTTCCCTTTTACA 833
DB      1306 AAGAGAGAAATTAATGTAACCTGCGCCGNNNGACMCRCCTGAMCBTTCCCHHPARA 1365
QY      834 ATTAATTTGAGCATGCTGCTTC 855
DB      1366 AATAAATTAATTAATGTTGCTTTC 1387
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RESULT 6
US-09-925-301-424
; Sequence 424, Application US/09925301
; Patent No. US2002052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 424
; LENGTH: 1649
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-301-424
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Query Match          86.8%; Score 758.2; DB 10; Length 1649;
Best Local Similarity 95.6%; Pred. No. 7.3e-194;
Matches 833; Conservative 0; Mismatches 33; Indels 5; Gaps 5;
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QY      1 CTCACGACATATGTTCACTATGAAGAAATACGACCCGCAACGCAATCACTACGCGCTTG 60
DB      784 CTCACGACATATGTTCACTATGAAGAAATACGACCCGCAACGCAATCACTACGCGCTTG 843
QY      61 CCGTGACATCTTCCACGCTGATCTTACCTGAGAGAGAGACCTCGCAATTAATCTCAT 120
DB      844 CCGTGACATCTTCCACGCTGATCTTACCTGAGAGAGAGACCTCGCAATTAATCTCAT 903
QY      121 CTATGAGAGCTGCGGGGCAATAGAAGACGTAACCGCTCTGAGAGAGCTGATGCTCG 180
DB      904 CTATGAGAGCTGCGGGGCAATAGAAGACGTAACCGCTCTGAGAGAGCTGATGCTCG 963
QY      181 CTGCTTCCGCGCAGAGAGAAATCCCTCCCTGCGCTTGGCAAGAGTGGTCTTGCGC 240
DB      964 CTGCTTCCGCGCAGAGAGAAATCCCTCCCTGCGCTTGGCAAGAGTGGTCTTGCGC 1023
QY      241 GGGGCTGTGCTGATGCTGTGATCTCTTCTGAGAGCTCAATGCTACTGATCGC 300
DB      1024 GGGGCTGTGCTGATGCTGTGATCTCTTCTGAGAGCTCAATGCTACTGATCGC 1083
QY      301 GGTGGCAGCGAAGAACAGAGAGCGTCCCTGCGCACCGCTCTGAGCTCGGAGATGACAA 360
DB      1084 GGTGGCAGCGAAGAACAGAGAGCGTCCCTGCGCACCGCTCTGAGCTCGGAGATGACAA 1143
QY      361 GAGCAGCTGCTGAAGAAACATATGCTGATGCTGATGCTGCTGCTGCTGCTGCTG 420
DB      1144 GAGCAGCTGCTGAAGAAACATATGCTGATGCTGATGCTGCTGCTGCTGCTGCTGCTG 1202
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QY 421 AGGAGGGGAGACATGATGTGAGCTTTTAAATAGAGGATGACTGCGATTTGAGTG 480
    ||| ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1203 AAGGAGAGGAGACATGATGTGCA-CTTTTAAATAGAGGATGACTGCGATTTGAGTG 1261
QY 481 ATCATATGAGGCTGAGGTCTGTTCTCTGGAGGTAGAGCGCTCTCTCTCTCTGCGCA 540
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1262 ATCATATGAGGCTGAGGTCTGTTCTCTGGAGGTAGAGCGCTCTCTCTCTCTGCGCA 1321
QY 541 GCATGCTTTCTTTGGAATCTCTAGAGGCTCTCTCTGCAATGCGCTCTGAGTCTGCG 600
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1322 GGAATGCTTTGCTTTCGAATCTCTAGAGGCTCTCTCTGCAATGCGCTCTGAGTCTGCG 1381
QY 601 AGCAGCCCGAGTTGTTCTCTGCGATCTGATTTCTCTCTCTGCAATGCTTCTG 660
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1382 AGCAGCCCGAGTTGTTCTCTGCGATCTGATTTCTCTCTCTGCAATGCTTCTG 1440
QY 661 CTATCTTGAATTCATTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 720
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1441 CTATCTTGAATTCATTCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1499
QY 721 TTGTTTCTGATTTATGCTTTTAAATAGAGGATGACTGCGATTTGAGTG 780
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1500 TTGTTTCTGATTTATGCTTTTAAATAGAGGATGACTGCGATTTGAGTG 1559
QY 781 AAGAGGAAAGTAAATGCTAGAGTTAATAAAGGCGCTCTCTCTCTCTCTCTCT 840
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1560 AAGAGGAAAGTAAATGCTAGAGTTAATAAAGGCGCTCTCTCTCTCTCTCTCT 1618
QY 841 TCAGCATGCTCTTCAAAAAA 871
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1619 AAAAAA 1649

RESULT 7
US-10-066-543-178/C
: Sequence 178, Application US/10066543
: Publication No. US2003087818A1
: GENERAL INFORMATION:
: APPLICANT: Jiang, Yugu
: APPLICANT: Pyle, Ruth A.
: APPLICANT: Xu, Jiangchun
: APPLICANT: Indrias, Carol Joseph
: APPLICANT: Lodes, Michael J.
: APPLICANT: Secrist, Heather
: APPLICANT: Carter, Gary R.
: APPLICANT: Fanger, Gary R.
: APPLICANT: Smith, Carole L.
: APPLICANT: Durham, Margareta
: APPLICANT: Stolk, John A.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
: FILE REFERENCE: 210121.563
: CURRENT APPLICATION NUMBER: US/10/066,543
: CURRENT FILING DATE: 2002-01-31
: NUMBER OF SEQ ID NOS: 3417
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 178
: LENGTH: 638
: TYPE: DNA
: ORGANISM: Homo sapiens
US-10-066-543-178

Query Match 70.3%; Score 613.4; DB 9; Length 638;
Best Local Similarity 99.5%; Pred. No. 4e-155;
Matches 636; Conservative 0; Mismatches 1; Indels 2; Gaps 2;
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QY 282 CCATGCTACCATCGATCGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 341
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Db 518 CCATGCTACCATCGATCGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 459
QY 342 GGAGCTCCGAGATGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 401
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Db 458 GGAGCTCCGAGATGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 399
QY 402 GTCCCAAGAGGAGCT-GGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 460
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Db 398 GTCCCAAGAGGAGCTGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 339
QY 461 GATTGACTCGGATTTAGATGATCATTTAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 520
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QY 521 GCTGCTTCGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 580
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Db 278 GCTGCTTCGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 219
QY 581 GCAATGCTGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 640
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Db 218 GCAATGCTGAGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 159
QY 641 TCAGGATGAGGATTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 700
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Db 156 TCAGGATGAGGATTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 99
QY 701 TGATGTTGAGATGATTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 760
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 98 TGATGTTGAGATGATTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 39
QY 761 GTTTTATATGATCTCTGAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 799
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 38 G-TTTTATATGATCTCTGAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1

RESULT 8
US-10-066-543-1767
: Sequence 1767, Application US/10066543
: Publication No. US2003087818A1
: GENERAL INFORMATION:
: APPLICANT: Jiang, Yugu
: APPLICANT: Pyle, Ruth A.
: APPLICANT: Xu, Jiangchun
: APPLICANT: Indrias, Carol Joseph
: APPLICANT: Lodes, Michael J.
: APPLICANT: Secrist, Heather
: APPLICANT: Carter, Gary R.
: APPLICANT: Fanger, Gary R.
: APPLICANT: Smith, Carole L.
: APPLICANT: Durham, Margareta
: APPLICANT: Stolk, John A.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
: FILE REFERENCE: 210121.563
: CURRENT APPLICATION NUMBER: US/10/066,543
: CURRENT FILING DATE: 2002-01-31
: NUMBER OF SEQ ID NOS: 3417
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 1767
: LENGTH: 586
: TYPE: DNA
: ORGANISM: Homo sapiens
US-10-066-543-1767

Query Match 65.6%; Score 572.4; DB 9; Length 586;
Best Local Similarity 99.7%; Pred. No. 4.2e-144;
Matches 584; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
```

Db 1 ACTTTGAGGTGAGAGAACTCTTGCACTAATCTATATGAGAGCTGCCGGCAATA 60  
QY 144 ACAACAGCTACCCCTCTGAGAGGCTTGACATGCTCCGCTTCCGCCACAGAGATC 203  
Db 61 AGAACAGCTACCCCTCTGAGAGGCTTGACATGCTCCGCTTCCGCCACAGAGATC 120  
QY 204 CTCCTCTGCCCCCTTGAGCTCAAGAGTGGTGTGGGCGGCTGTTGATGGGTGGA 263  
Db 121 CTCCTCTGCCCCCTTGAGCTCAAGAGTGGTGTGGGCGGCTGTTGATGGGTGGA 180  
QY 264 TCCCTCTGCTGGAGACCTCCATGCTCTATCTGATCCGGTGGGACAGAGAACAGAC 323  
Db 181 TCCCTCTGCTGGAGACCTCCATGCTCTATCTGATCCGGTGGGACAGAGAACAGAC 240  
QY 324 GTCCCTCTGCGGACGCTCTGAGAGCTCCGAGATGACAAAGAGCAGCTGTGAAGAACAT 383  
Db 241 GTCCCTCTGCGGACGCTCTGAGAGCTCCGAGATGACAAAGAGCAGCTGTGAAGAACAT 300  
QY 384 ATGCTCTGTACGCGCTCTGTCCGCAAGAGACT-UGAAGAGAGGGGAGACTATGTGA 442  
Db 301 ATGCTCTGTACGCGCTCTGTCCGCAAGAGACTUGGAGAGGAGGAGAGACTATGTGA 360  
QY 443 GCTTTTAAATAGAGAGATGACTGCAATTTAGTATGATCAATTAGGCTGAGCTCTTT 502  
Db 361 GCTTTTAAATAGAGAGATGACTGCAATTTAGTATGATCAATTAGGCTGAGCTCTTT 420  
QY 503 TCTCTGAGAGGTGAGAGAGCTGCTTCCTGCTGCTGAGAGAGATGAGCTTTGGAATC 562  
Db 421 TCTCTGAGAGGTGAGAGAGCTGCTTCCTGCTGCTGAGAGAGATGAGCTTTGGAATC 480  
QY 563 CTCTAGAGAGCTCTCTCTCTGATGATGCTGCAATCTGAGAGAGCTCCGAGCTTCTCTC 622  
Db 481 CTCTAGAGAGCTCTCTCTCTGATGATGCTGCAATCTGAGAGAGCTCCGAGCTTCTCTC 540  
QY 623 GCGATGCCATTTCTTCTCTCCAGTACGATTTCTTTTCTTATGTT 668  
Db 541 GCGATGCCATTTCTTCTCTCCAGTACGATTTCTTTTCTTATGTT 586

RESULT 9  
US-10-060-036-1731  
Sequence 1731, Application US/10060046  
Publication No. US2003007314A1  
GENERAL INFORMATION:  
APPLICANT: Benson, Darin R.  
APPLICANT: Kalos, Michael D.  
APPLICANT: Lodes, Michael J.  
APPLICANT: Hersing, David H.  
APPLICANT: Hepler, William T.  
APPLICANT: Jiang, Yugu  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
FILE REFERENCE: 210121.566  
CURRENT APPLICATION NUMBER: US/10/060.036  
CURRENT FILING DATE: 2002-01-30  
NUMBER OF SEQ ID NOS: 4560  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1731  
LENGTH: 502  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-060-036-1731

Query Match 55.9%; Score 488.4; DB 9; Length 502;  
Best Local Similarity 99.6%; Pred. No. 1,6e-121;  
Matches 500; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 233 GTCTGCGGAGGCTCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 292  
Db 1 GTCTGCGGAGGCTCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 60  
QY 293 CTGATCGGGGTGCGAGAGAGACACAGAGAGTGGCTGTGCTGCTGCTGCTGCTGCTGCT 552

Db 61 CTGATCCGGGTGGACGGAGAGAACAGAGAGGCTGCCCTGCGACCGCTTGAGCTCCGGA 120  
QY 353 GATGACAGAGAGAGCTGTTGAAGAACACATATGCTGCTGAGACCGGCTGTGCCAAG 412  
Db 121 GATGACAGAGAGAGCTGTTGAAGAACACATATGCTGCTGAGACCGGCTGTGCCAAG 180  
QY 413 GACT-GGGAGAGAGAGAGAGCTATGCTGAGCTTTTAAATAGAGGATGACTCGG 471  
Db 181 GACTGAGAGAGAGAGAGAGCTATGCTGAGCTTTTAAATAGAGGATGACTCGG 240  
QY 472 ATTGAGTATCATTAAGGCTGAGGTGTCTCTGAGAGATAGAGAGGCTGCTCTG 531  
Db 241 ATTGAGTATCATTAAGGCTGAGGTGTCTCTGAGAGATAGAGAGGCTGCTCTG 300  
QY 532 GTCTGCGAGAGATGAGGCTTCTTGAATCCCTGAGAGGCTCTGCTGAGTATGCTG 591  
Db 301 GTCTGCGAGAGATGAGGCTTCTTGAATCCCTGAGAGGCTCTGCTGAGTATGCTG 360  
QY 592 CATCTGGAGAGAGAGAGGCTTCTCTGCTGATGATTTCTTCTGAGAGTAAAG 651  
Db 361 CATCTGGAGAGAGAGAGGCTTCTCTGCTGATGATTTCTTCTGAGAGTAAAG 420  
QY 652 TTTTCTTGTATGTTGAATTCATTTGCTCTTTTCTCATCAGAGAGTATGTTGAA 711  
Db 421 TTTTCTTGTATGTTGAATTCATTTGCTCTTTTCTCATCAGAGAGTATGTTGAA 480  
QY 712 TCGTTCTTTTGTGTCTGAT 733  
Db 481 TCGTTCTTTTGTGTCTGAT 502

RESULT 10  
US-10-066-543-1448  
Sequence 1448, Application US/10066543  
Publication No. US20030087818A1  
GENERAL INFORMATION:  
APPLICANT: Jiang, Yugu  
APPLICANT: Pyle, Ruth A.  
APPLICANT: Xu, Jiangchun  
APPLICANT: Indrias, Carol Joseph  
APPLICANT: Lodes, Michael J.  
APPLICANT: Secrist, Heather  
APPLICANT: Carter, Derrick  
APPLICANT: Ranney, Gary R.  
APPLICANT: Smith, Carole L.  
APPLICANT: Durham, Margarita  
APPLICANT: Stolk, John A.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
FILE REFERENCE: 210121.563  
CURRENT APPLICATION NUMBER: US/10/066.543  
CURRENT FILING DATE: 2002-01-31  
NUMBER OF SEQ ID NOS: 3417  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1448  
LENGTH: 469  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-066-543-1448

Query Match 52.3%; Score 457; DB 9; Length 469;  
Best Local Similarity 99.8%; Pred. No. 4.4e-113;  
Matches 468; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 189 GCCAGCAGAGAAATCTCCCTGCCCCCTTGCTCAAGAGTGTGTCTGCGGAGGCTGT 248  
Db 1 GCCAGCAGAGAAATCTCCCTGCCCCCTTGCTCAAGAGTGTGTCTGCGGAGGCTGT 60  
QY 249 TCGTATGCTGCTGATCTCTCTGAGAGCTTCACAGCTGACCTGACCTGAGCGGTGAG 308  
Db 61 TCGTATGCTGCTGATCTCTCTGAGAGCTTCACAGCTGACCTGACCTGAGCGGTGAG 120  
QY 309 GATATATATAGAGAGTGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 368

```
Db      121 GGAGGAACCAAGACCGGCGCCGCCACCGCTCTGGAGCTCCGAGATGACAGAGCAGC 180
Qy      369 TGGTAAGAAACATATATGTCCTGTACCGCCCTGTGCGCAAGAGACT- GGAAGAGAG 427
Db      181 TGGTAAGAAACATATATGTCCTGTACCGCCCTGTGCGCAAGAGACTGGAAGAGAG 240
Qy      428 GGAGACTATGTGTGAGCTTTTAAATAGAGGATTTGACGCGATTTAGATCATTA 487
Db      241 GGAGACTATGTGTGAGCTTTTAAATAGAGGATTTGACGCGATTTAGATCATTA 300
Qy      488 GGGCTGAGGCTGTCTTCTCTGAGAGTAGAGACCGCTCTTCGCTCTGCGAGAGAGG 547
Db      301 GGGCTGAGGCTGTCTTCTCTGAGAGTAGAGACCGCTCTTCGCTCTGCGAGAGAGG 360
Qy      548 TTTCGTTTGAATCTCTTAGAGAGCTCTCTCTGCAATGCGCTGCACTTGCGACAGCC 607
Db      361 TTTCGTTTGAATCTCTTAGAGAGCTCTCTCTGCAATGCGCTGCACTTGCGACAGCC 420
Qy      608 CCGAGTTGTTCCGCGCTAGCGATTTCTCTCTGCAAGGATTTGCG 656
Db      421 CCGAGTTGTTCTCTGCTGATGCGATTTCTCTCTGCAAGGATTTTC 469
```

## RESULT 11

```
US-10-066-543-3358
; Sequence 3358, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darick
; APPLICANT: Ranger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3358
; LENGTH: 477
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 459
; OTHER INFORMATION: n = A,T,C or G
US-10-066-543-3358
```

## Query Match

Best Local Similarity 99.4%; Score 451.4; DB 9; Length 477;  
Matches 474; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

```
Qy      305 GCACGGAGAACCAAGAGCGTGCCTGCGACCTGTGTGAGACTTCGGAGATGACAGAGAG 364
Db      1 GCACGGAGAACCAAGAGCGTGCCTGCGACCTGTGTGAGACTTCGGAGATGACAGAGAG 60
Qy      365 CAGCTGGAAGAACACATATGTCTGTGACGCGCCCTGTCCCAAGAGACT- GGAAG 423
Db      61 CAGCTGGAAGAACACATATGTCTGTGACGCGCCCTGTCCCAAGAGACTGGAAGAG 120
Qy      424 GAGGGAGACTATGTGTGAGCTTTTAAATAGAGGAGATTGACTCGATTTGAGTATC 483
Db      121 GAGGGAGACTATGTGTGAGCTTTTAAATAGAGGAGATTGACTCGATTTGAGTATC 180
```

```
Qy      484 ATTAGGCTGAGGCTCTGTTTCTCTGAGAGTAGAGAGCGCTGCTCTGCTGCGAGGGA 543
Db      181 ATTAGGCTGAGGCTCTGTTTCTCTGAGAGTAGAGAGCGCTGCTCTGCTGCGAGGGA 240
Qy      544 TGGTTTCTTGGAAATCTCTAGAGAGCTCTCTCTGCAATGAGCTGCACTTGCGAGC 603
Db      241 TGGTTTCTTGGAAATCTCTAGAGAGCTCTCTCTGCAATGAGCTGCACTTGCGAGC 300
Qy      604 AGCCCCGAGTTGTTCTCTGCTGATGATTTCTTCCGACGAGGATTTCTTCTGCTT 663
Db      301 AGCCCCGAGTTGTTCTCTGCTGATGATTTCTTCCGACGAGGATTTCTTCTGCTT 360
Qy      664 ATGTGAATTCATTCGCTCTTCTTCATCAGAGAGTAGATGTGATGCTTCTTTG 723
Db      361 ATGTGAATTCATTCGCTCTTCTTCATCAGAGAGTAGATGTGATGCTTCTTTG 420
Qy      724 TTGCTGATTTAGTGTGTTTTTAAATAGAGGATTTTAAATAGAGGATTTG 779
Db      421 TTGCTGATTTAGTGTGTTTTTAAATAGAGGATTTTAAATAGAGGATTTG 477
```

## RESULT 12

```
US-10-066-543-2086
; Sequence 2086, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Lodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Darick
; APPLICANT: Ranger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ ID NOS: 3417
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2086
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-2086
```

## Query Match

Best Local Similarity 50.5%; Score 441; DB 9; Length 453;  
Matches 452; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

```
Qy      84 ACTTAGCTGAGAGCAACTCTGCAATATGATCATGAGAGCTGCGGAGCAATA 143
Db      1 ACTTAGCTGAGAGCAACTCTGCAATATGATCATGAGAGCTGCGGAGCAATA 60
Qy      144 AGAAGACTACCGCTCTGAGAGAGCTGATGCTCGCTTCCGCCAGCAGAGATC 203
Db      61 AGAAGACTACCGCTCTGAGAGAGCTGATGCTCGCTTCCGCCAGCAGAGATC 120
Qy      204 CTCGCCCTGCCCTTGGCTCAAGAGTGTGTCTGTGCGGGGCTGTGTGATGTGTA 263
Db      121 CTCGCCCTGCCCTTGGCTCAAGAGTGTGTCTGTGCGGGGCTGTGTGATGTGTA 180
Qy      264 TCCCTTCTCTGAGAGCTCTCATGTGTACTGATCGGGTGGACAGGAGACAGAGAGC 323
Db      181 TCCCTTCTCTGAGAGCTCTCATGTGTACTGATCGGGTGGACAGGAGACAGAGAGC 240
Qy      324 GTCCCTTGCGACACCTGTGAGGCTCCGAGAGATGACAGAGAGAGCTGGTAAGACAT 383
Db      241 GTCCCTTGCGACACCTGTGAGGCTCCGAGAGATGACAGAGAGAGAGCTGGTAAGACAT 300
```





NUMBER OF SEQ ID NOS: 489  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 293  
LENGTH: 320  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-604-287A-293

Query Match 36.2%; Score 316.4; DB 10; Length 320;  
Best Local Similarity 99.7%; Pred. No. 2.6e-75;  
Matches 317; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 519 CGCGTCTTCGCTGCTGCGCAGGATGGGCTTTCCTTGAATCCTCTAGAGAGGCTCC 578  
DB 2 CGGCTGCTTCCTGCTGCTGCGGAGATGGGCTTTCCTTGAATCCTCTAGAGAGGCTCC 61  
QY 579 CTGCGATGGCTGCGAGTGTGCGACAGCCCGCAGTTGTTCTGCTGATGATTTCTT 638  
DB 62 CTGCGATGGCTGCGAGTGTGCGACAGCCCGCAGTTGTTCTGCTGATGATTTCTT 121  
QY 639 CTTCCAGGTAGAGTTTCTTGTATGTTGAATTCATTCCTCTTCTCATCAGCA 698  
DB 122 CTTCCAGGTAGAGTTTCTTGTATGTTGAATTCATTCCTCTTCTCATCAGCA 181  
QY 699 AGTATGTTGGAATGTTCTTGTGCTGATTTATGCTTTTATAGTAAACAA 758  
DB 182 AGTATGTTGGAATGTTCTTGTGCTGATTTATGCTTTTATAGTAAACAA 241  
QY 759 AAGTTTTTATAGCATTCGAAAGAGAAAGTAAATGACAGTTTATATAAAGG 818  
DB 242 AAGTTTTTATAGCATTCGAAAGAGAAAGTAAATGACAGTTTATATAAAGG 301  
QY 819 GCCTTCCCTTTAGATA 836  
DB 302 GCCTTCCCTTTAGATA 319

## RESULT 16

US-09-339-338-293  
Sequence 293, Application US/0939338A  
Patent No. US20020102602A1  
GENERAL INFORMATION:  
APPLICANT: Yuglu, Jiang  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jiangchun  
TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND  
FILE REFERENCE: 210121.470C2  
CURRENT APPLICATION NUMBER: US/09/339,338A  
CURRENT FILING DATE: 1999-06-23  
NUMBER OF SEQ ID NOS: 315  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 293  
LENGTH: 320  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-339-338-293

Query Match 36.2%; Score 316.4; DB 10; Length 320;  
Best Local Similarity 99.7%; Pred. No. 2.6e-75;  
Matches 317; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 519 CGGCTGCTTCGCTGCTGCGCAGGATGGGCTTTCCTTGAATCCTCTAGAGAGGCTCC 578  
DB 2 CGGCTGCTTCGCTGCTGCGGAGATGGGCTTTCCTTGAATCCTCTAGAGAGGCTCC 61  
QY 579 CTGCGATGGCTGCGAGTGTGCGACAGCCCGCAGTTGTTCTGCTGATGATTTCTT 638  
DB 62 CTGCGATGGCTGCGAGTGTGCGACAGCCCGCAGTTGTTCTGCTGATGATTTCTT 121  
QY 639 CTTCCAGGTAGAGTTTCTTGTATGTTGAATTCATTCCTCTTCTCATCAGCA 698  
DB 302 GCCTTCCCTTTAGATA 319

DB 122 CTTCCAGGTAGAGTTTCTTGTATGTTGAATTCATTCCTCTTCTCATCAGCA 181  
QY 699 AGTATGTTGGAATGTTCTTGTGCTGATTTATGCTTTTATAGTAAACAA 758  
DB 182 AGTATGTTGGAATGTTCTTGTGCTGATTTATGCTTTTATAGTAAACAA 241  
QY 759 AAGTTTTTATAGCATTCGAAAGAGAAAGTAAATGACAGTTTATATAAAGG 818  
DB 242 AAGTTTTTATAGCATTCGAAAGAGAAAGTAAATGACAGTTTATATAAAGG 301  
QY 819 GCCTTCCCTTTAGATA 836  
DB 302 GCCTTCCCTTTAGATA 319

## RESULT 17

US-10-007-805-293  
Sequence 293, Application US/10007805  
Patent No. US20020150581A1  
GENERAL INFORMATION:  
APPLICANT: Jiang, Yuglu  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jiangchun  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Hepler, William T.  
APPLICANT: Henderson, Robert A.  
APPLICANT: Fanger, Gary R.  
APPLICANT: Vedvik, Thomas S.  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Durham, Margareta  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
FILE REFERENCE: 210121.470C10  
CURRENT APPLICATION NUMBER: US/10/007,805  
CURRENT FILING DATE: 2001-12-07  
NUMBER OF SEQ ID NOS: 593  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 293  
LENGTH: 320  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-007-805-293

Query Match 36.2%; Score 316.4; DB 12; Length 320;  
Best Local Similarity 99.7%; Pred. No. 2.6e-75;  
Matches 317; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 519 CGGCTGCTTCGCTGCTGCGCAGGATGGGCTTTCCTTGAATCCTCTAGAGAGGCTCC 578  
DB 2 CGGCTGCTTCGCTGCTGCGGAGATGGGCTTTCCTTGAATCCTCTAGAGAGGCTCC 61  
QY 579 CTGCGATGGCTGCGAGTGTGCGACAGCCCGCAGTTGTTCTGCTGATGATTTCTT 638  
DB 62 CTGCGATGGCTGCGAGTGTGCGACAGCCCGCAGTTGTTCTGCTGATGATTTCTT 121  
QY 639 CTTCCAGGTAGAGTTTCTTGTATGTTGAATTCATTCCTCTTCTCATCAGCA 698  
DB 122 CTTCCAGGTAGAGTTTCTTGTATGTTGAATTCATTCCTCTTCTCATCAGCA 181  
QY 699 AGTATGTTGGAATGTTCTTGTGCTGATTTATGCTTTTATAGTAAACAA 758  
DB 182 AGTATGTTGGAATGTTCTTGTGCTGATTTATGCTTTTATAGTAAACAA 241  
QY 759 AAGTTTTTATAGCATTCGAAAGAGAAAGTAAATGACAGTTTATATAAAGG 818  
DB 242 AAGTTTTTATAGCATTCGAAAGAGAAAGTAAATGACAGTTTATATAAAGG 301  
QY 819 GCCTTCCCTTTAGATA 836  
DB 302 GCCTTCCCTTTAGATA 319



```
|||||
Db 1 TCGGAGAGGATGGGTTTCTTGGAAATCCCTAGAGAGCTCTCTCTGCAAGAGCTGC 60
QY 593 AGTCTGGACAGACCCCGAGTTCTTCCTCGGTGATGATTTCTTTCCTCAAGTAGAGT 652
Db 61 AGTCTGGACAGAG--CCGAGTGTTCCTTCCTGATTCATTTCTTCTCAAGTAGAGT 119
QY 653 TTCTTTGCTATATGTGAATTCATTCCTCTTTTCTCTATACAGAGAGTAGTGGAAAT 712
Db 120 TTCTTTGCTATATGTGAATTCATTCCTCTTTTCTCTATACAGAGAGTAGTGGAAAT 179
QY 713 CGTTCTTTGTTGTTGCTGATTAATGTTTTTATAGATATAACAAAGTTTTTATAG 772
Db 180 CGTTCTTTGTTGTTGCTGATTAATGTTTTTATAGATATAACAAAGTTTTTATAG 239
QY 773 CATTCGAAGAGAGAAAGTAAATATAGTAAATTAATTAAGAGAGGCTTCCCTTTAG 832
Db 240 CATTCGAAGAGAGAAAGTAAATATAGTAAATTAATTAAGAGAGGCTTCCCTTTAG 299
QY 833 AA 834
Db 300 GA 301
```

## RESULT 21

```
US-09-827-948-13
; Sequence 13, Application US/09827948
; Patent No. US20010029034A1
; GENERAL INFORMATION:
; APPLICANT: Gentz, Reiner, L.
; APPLICANT: Hsu, Tzu-An
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ni, Jian
; TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3
; FILE REFERENCE: 1488.1290002
; CURRENT APPLICATION NUMBER: US/09/827,948
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 09/013,896
; PRIOR FILING DATE: 1998-01-27
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13
; LENGTH: 287
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (182)
; OTHER INFORMATION: n is A, C, T, or G
; NAME/KEY: misc feature
; LOCATION: (193)
; OTHER INFORMATION: n is A, C, T, or G
; NAME/KEY: misc feature
; LOCATION: (229)
; OTHER INFORMATION: n is A, C, T, or G
US-09-827-948-13
```

Query Match 32.3%; Score 282.4; DB 10; Length 287;

Best Local Similarity 98.6%; Pred. No. 3.4e-66;

Matches 283; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
QY 46 AGTCACTGGGCTTCCCTGATCTTCCTACGCTGTGATCTTTCAGCTGGAGAGAACTC 105
Db 1 AGTCACTGGGCTTCCCTGATCTTCCTACGCTGTGATCTTTCAGCTGGAGAGAACTC 60
QY 106 CTGCAATACATCATATGAGAGGCTCCCGGGGCAATAGAACAGCTAACGCTCTAGAGA 165
Db 61 CTGCAATACATCATATGAGAGGCTCCCGGGGCAATAGAACAGCTAACGCTCTAGAGA 120
QY 166 GGCTGATGCTCCCTCTTCGCGCAGCAGAGAAATCTCCCTGCGCCCTTGCTCAAA 225
Db 121 GGCTGATGCTCCCTCTTCGCGCAGCAGAGAAATCTCCCTGCGCCCTTGCTCAAA 180
```

```
QY 226 GGTGATGCTTCGCGGAGCTGTTCTGATGATGTTGATCTCTTCTGGAGACTTCAT 285
Db 181 GATGATGCTTCGCGGAGCTGTTCTGATGATGTTGATCTCTTCTGGAGACTTCAT 240
QY 286 GGTCTACTGATCCGGGTGCGACGAGAGAACAGAGAGGCTCCCTGC 332
Db 241 GGTCTACTGATCCGGGTGCGACGAGAGAACAGAGAGGCTCCCTGC 287
```

## RESULT 22

```
US-09-815-343-32/C
; Sequence 32, Application US/09815343
; Patent No. US20010055596A1
; GENERAL INFORMATION:
; APPLICANT: Meagher, Madeleine
; APPLICANT: Xu, Jiangchun
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.504
; CURRENT APPLICATION NUMBER: US/09/815,343
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 285
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-815-343-32
```

Query Match 31.3%; Score 273; DB 10; Length 285;

Best Local Similarity 99.6%; Pred. No. 1.2e-63;

Matches 284; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

```
QY 168 CTTGCAATGCTCCGCTGCTTCGCGCAGCAGAGAGATCTCCCTGCGCCCTTGCTCAAAG 227
Db 285 CTTGCAATGCTCCGCTGCTTCGCGCAGCAGAGAGATCTCCCTGCGCCCTTGCTCAAAG 226
QY 228 TGTGTGTTCTGCGCGGCTGTTCTGATGTTGATCTCTCTCTGAGAGCTTCATAG 287
Db 225 TGTGTGTTCTGCGCGGCTGTTCTGATGTTGATCTCTCTCTGAGAGCTTCATAG 166
QY 288 TCTACCTGATCCGGGTGCGACGAGAGAGAGAGGCTCCCTGCGCAGCTGAGAGCT 347
Db 165 TCTACCTGATCCGGGTGCGACGAGAGAGAGAGAGGCTCCCTGCGCAGCTGAGAGCT 106
QY 348 CCGGAGATGACAAAGAGAGAGCTGTGTGAAGAACACATATGCTCTGACCGGCTGTCC 407
Db 105 CCGGAGATGACAAAGAGAGAGAGCTGTGTGAAGAACACATATGCTCTGACCGGCTGTCC 46
QY 408 AAGAGAGCT-GGAGAGGAGGAGAGACTATGTGTGAGCTTTT 451
Db 45 AAGAGAGCTGGAGAGGAGGAGAGAGACTATGTGTGAGCTTTT 1
```

## RESULT 23

US-09-815-343-703

; Sequence 703, Application US/09815343

; Patent No. US20010055596A1

; GENERAL INFORMATION:

; APPLICANT: Meagher, Madeleine

; APPLICANT: Xu, Jiangchun

; APPLICANT: King, Gordon E.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER

; FILE REFERENCE: 210121.504

; CURRENT APPLICATION NUMBER: US/09/815,343

; CURRENT FILING DATE: 2001-03-22

; NUMBER OF SEQ ID NOS: 1556

; SOFTWARE: FASTSEQ for Windows Version 4.0

; SEQ ID NO 703

; LENGTH: 286

; TYPE: DNA

ORGANISM: Homo sapien  
US-09-815-343-703

Query Match 30.0%; Score 262; DB 10; Length 286;  
Best Local Similarity 99.3%; Pred. No. 1.1e-60;  
Matches 284; Conservative 0; Mismatches 0; Indels 2; Gaps 2;

QY 168 CCGATGCTCCGCTCTTCCGCGAGGAGATCCCTCCGCGCTTGGCTCAAG 227  
DB 1 CCTGATGCTCCGCTCTTCCGCGAGGAGATCCCTCCGCGCTTGGCTCAAG 60  
QY 228 TGTGTTCTGGCGGGGCTGTTCGTATGTTGATCCCTTCCGCGAGCTTCATG 287  
DB 61 TGTGTTCTGGCGGGGCTGTTCGTATGTTGATCCCTTCCGCGAGCTTCATG 120  
QY 288 TCTACCTGATCC-GGGTGGACGAGAGACAGAGAGCCCTCCGACCTGTGAGC 346  
DB 121 TCTACCTGATCCGGGTGGACGAGAGAGAGAGAGAGAGAGAGAGAGAG 180  
QY 347 TCCGAGATGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 406  
DB 181 TCCGAGATGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240  
QY 407 CAGAGAGACT-GGGAAGGAGGAGAGAGAGAGAGAGAGAGAGAGAGAG 451  
DB 241 CAGAGAGACTGGGGAAGGAGGAGAGAGAGAGAGAGAGAGAGAGAGAG 286

## RESULT 24

US-09-827-948-14/c  
Sequence 14, Application US/09827948  
Patent No. US20010029034A1  
GENERAL INFORMATION:  
APPLICANT: Gentz, Reiner, L.  
APPLICANT: Hsu, Tsu-An  
APPLICANT: Rosen, Craig A.  
APPLICANT: Ni, Jian  
TITLE OF INVENTION: Tissue Factor Pathway Inhibitor-3  
FILE REFERENCE: 1488,1250002  
CURRENT APPLICATION NUMBER: US/09/827,948  
CURRENT FILING DATE: 2001-04-06  
PRIOR APPLICATION NUMBER: US 09/013,896  
PRIOR FILING DATE: 1998-01-27  
NUMBER OF SEQ ID NOS: 31  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 14  
LENGTH: 273  
TYPE: DNA  
ORGANISM: Human  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (32)  
OTHER INFORMATION: n is A, T, C, or G  
NAME/KEY: misc\_feature  
LOCATION: (58)  
OTHER INFORMATION: n is A, T, C, or G  
NAME/KEY: misc\_feature  
LOCATION: (71)  
OTHER INFORMATION: n is A, T, C, or G  
NAME/KEY: misc\_feature  
LOCATION: (72)  
OTHER INFORMATION: n is A, T, C, or G  
NAME/KEY: misc\_feature  
LOCATION: (73)  
OTHER INFORMATION: n is A, T, C, or G  
NAME/KEY: misc\_feature  
LOCATION: (103)  
OTHER INFORMATION: n is A, T, C, or G  
NAME/KEY: misc\_feature  
LOCATION: (252)

OTHER INFORMATION: n is A, T, C, or G  
US-09-827-948-14

Query Match 29.8%; Score 260; DB 10; Length 273;  
Best Local Similarity 97.0%; Pred. No. 3.6e-60;  
Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 571 GGGTCCTCCGAGAGGCGGAGTCGACGACGACGACGACGACGACGACGAC 630  
DB 273 GGGTCCTCCGAGAGGCGGAGTCGACGACGACGACGACGACGACGACGAC 214  
QY 631 ATTCTTCCGAGTAGATTTCTTTGTTATGTTAATTCATTCCTCTTCTC 690  
DB 213 ATTCTTCCGAGTAGATTTCTTTGTTATGTTAATTCATTCCTCTTCTC 154  
QY 691 ATCACAGAGTAGATGTTGAGATCGTTCTTTGTTGTTGTTGTTGTTGTT 750  
DB 153 ATCACAGAGTAGATGTTGAGATCGTTCTTTGTTGTTGTTGTTGTTGTT 94  
QY 751 ATAACAGAGAGTTTATTTATTTAGATTTGAGAGAGAGAGAGAGAGAG 810  
DB 93 ATAACAGAGAGTTTATTTATTTATTTATTTATTTATTTATTTATTTAT 34  
QY 811 AAAAGGGGCTTCCCTTTAGATTA 838  
DB 33 AAAAGGGGCTTCCCTTTAGATTA 6

## RESULT 25

US-09-815-343-1323  
Sequence 1323, Application US/09815343  
Patent No. US20010055596A1  
GENERAL INFORMATION:  
APPLICANT: Meagher, Madeleine  
APPLICANT: Xu, Jiangchun  
APPLICANT: King, Gordon E.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER  
FILE REFERENCE: 210121,504  
CURRENT APPLICATION NUMBER: US/09/815,343  
CURRENT FILING DATE: 2001-03-22  
NUMBER OF SEQ ID NOS: 1556  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1323  
LENGTH: 287  
TYPE: DNA  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)-(287)  
OTHER INFORMATION: n = A, T, C or G  
US-09-815-343-1323

Query Match 29.1%; Score 253.8; DB 10; Length 287;  
Best Local Similarity 96.9%; Pred. No. 1.7e-58;  
Matches 278; Conservative 0; Mismatches 6; Indels 3; Gaps 2;

QY 168 CCGATGCTCCGCTCTTCCGCGAGGAGATCCCTCCGCGCTTGGCTCAAG 227  
DB 1 CCTGATGCTCCGCTCTTCCGCGAGGAGATCCCTCCGCGCTTGGCTCAAG 60  
QY 228 TGTGTTCTGGCGGGGCTGTTCGTATGTTGATCCCTTCCGCGAGCTTCATG 287  
DB 61 TGTGTTCTGGCGGGGCTGTTCGTATGTTGATCCCTTCCGCGAGCTTCATG 120  
QY 288 TCTACCTGATCCGGGTGG-CAAGGAGAGACAGAGAGAGAGAGAGAGAGAG 345  
DB 121 TCTACCTGATCCGGGTGGCAACGAGAGAGAGAGAGAGAGAGAGAGAGAG 180  
QY 346 CTCGAGAGATGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 405  
DB 181 CTCGAGAGATGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240



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Sequence 376, Application US/10007805
Patent No. US20020150581A1
GENERAL INFORMATION:
APPLICANT: Jiang, Yugu
APPLICANT: Dillon, Devin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Xu, Jiangchun
APPLICANT: Harlocker, Susan L.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Fanger, Gary R.
APPLICANT: Vedyick, Thomas S.
APPLICANT: McNeill, Patricia D.
APPLICANT: Durham, Margalita
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121.470C10
CURRENT APPLICATION NUMBER: US/10/007,805
CURRENT FILING DATE: 2001-12-07
NUMBER OF SEQ ID NOS: 593
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 376
LENGTH: 241
TYPE: DNA
ORGANISM: Homo sapiens
US-10-007-805-376

Query Match      27.3%; Score 238.4; DB 12; Length 241;
Best Local Similarity 99.6%; Pred. No. 2,2e-54;
Matches 239; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 562 CCTAGAGAGCTCTCTCTGATGCGTCAGTCTGGCAGAGCCCGAGTTGTTCTT 621
DB 241 CCTAGAGAGCTCTCTCTGATGCGTCAGTCTGGCAGAGCCCGAGTTGTTCTT 182
QY 622 GCGTATGATTTCTTCTTCCAGTAGAGTTTCTTCTTATGTTGATTCATTC 691
DB 181 CCGTATGATTTCTTCTTCCAGTAGAGTTTCTTCTTATGTTGATTCATTC 122
QY 682 TCTTTTCATCAGAGTAGAGTTGATGCTTCTTCTTCTTCTGATTTAGT 741
DB 121 TCTTTTCATCAGAGTAGAGTTGATGCTTCTTCTTCTTCTGATTTAGT 62
QY 742 TTTTAACTATAAAGAGTTTATTTAGTATTTGAAGAAGAAAGTAAATGTAC 801
DB 61 TTTTAACTATAAAGAGTTTATTTAGTATTTGAAGAAGAAAGTAAATGTAC 2

RESULT 30
US-09-815-343-1258
Sequence 1258, Application US/09815343
Patent No. US2001005596A1
GENERAL INFORMATION:
APPLICANT: Meagher, Madeleine
APPLICANT: Xu, Jiangchun
APPLICANT: King, Gordon E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 210121.504
CURRENT APPLICATION NUMBER: US/09/815,343
CURRENT FILING DATE: 2001-03-22
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1258
LENGTH: 287
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(287)
OTHER INFORMATION: n = A,T,C or G
US-09-815-343-1258
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Query Match      25.9%; Score 226.4; DB 10; Length 287;
Best Local Similarity 91.6%; Pred. No. 4.1e-51;
Matches 263; Conservative 0; Mismatches 21; Indels 3; Gaps 3;

QY 168 CCTGCATCTCCGCTGCTTCCGCCAGCAGAGAACTCCCTGCCCCCTGAGCTAANG 227
DB 1 CCTGCATCTCCGCTGCTTCCGCCAGCAGAGAACTCCCTGCCCCCTGAGCTAANG 60
QY 228 TGGTCTTCTGCGGGGCTTCTGATGATGCTTCTTCTTCTGAGCTTCATGG 287
DB 61 TGGTCTTCTGCGGGGCTTCTGATGATGCTTCTTCTTCTGAGCTTCATGG 120
QY 288 TCTACCTATCCGGGTGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 346
DB 121 ACTACCTATTCGGGTGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 180
QY 347 TCCGAGATGACAA-GGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 405
DB 181 TCCGAGATGACAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
QY 406 CCAAGAGAGCT-GGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 451
DB 241 CCAAGAGAGCTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 287
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Search completed: May 27, 2003, 09:31:43  
Job time : 182.45 secs

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OM nucleic - nucleic search, using sw model

Run on: May 27, 2003, 06:18:27 ; Search time 55.3823 Seconds

(without alignments)  
4834.194 Million cell updates/sec

Title: US-09-825-682a-56  
Sequence: 873  
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Scoring table:  
IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 100 summaries

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2: /cgn2.6/prodata/1/ina/5B.COMB.seq:\*  
3: /cgn2.6/prodata/1/ina/6A.COMB.seq:\*  
4: /cgn2.6/prodata/1/ina/6B.COMB.seq:\*  
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6: /cgn2.6/prodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed.  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB 1D	Description
1	862	98.7	1610	4	US-09-013-896A-1 Sequence 1, Appl1
2	425.4	48.7	597	4	US-09-385-982-492 Sequence 492, App
3	394	45.1	759	1	US-08-685-660A-4 Sequence 4, Appl1
4	394	45.1	759	2	US-08-974-196-4 Sequence 4, Appl1
5	282.4	32.3	287	4	US-09-013-896A-13 Sequence 13, Appl1
6	260	29.8	273	4	US-09-013-896A-14 Sequence 14, Appl1
7	250	28.6	256	4	US-09-013-896A-15 Sequence 15, Appl1
8	188	21.5	201	4	US-09-013-896A-16 Sequence 16, Appl1
9	167.4	19.2	276	4	US-09-404-879A-169 Sequence 169, App
10	167	19.1	207	4	US-09-404-879A-356 Sequence 356, App
11	167	19.1	371	4	US-09-404-879A-365 Sequence 365, App
12	165.4	18.9	276	4	US-09-404-879A-168 Sequence 168, App
13	146.8	16.8	199	4	US-09-222-575-125 Sequence 125, App
14	72.8	8.3	783	4	US-09-020-956-15 Sequence 15, Appl1
15	72.8	8.3	783	4	US-09-030-607-15 Sequence 15, Appl1
16	72.8	8.3	783	4	US-09-605-785-15 Sequence 15, Appl1
17	72.8	8.3	783	4	US-09-439-313-15 Sequence 15, Appl1
18	72.8	8.3	783	4	US-09-352-616A-15 Sequence 15, Appl1
19	72.8	8.3	783	4	US-09-232-149A-15 Sequence 15, Appl1
20	71.4	8.2	1542	4	US-08-685-558A-8 Sequence 8, Appl1
21	71.4	8.2	1542	4	US-09-765-449-8 Sequence 8, Appl1
22	68.6	7.9	1870	4	US-09-071-709-6 Sequence 6, Appl1
23	56.8	6.5	192	6	5187153-16 Patent No. 5187153
24	56.8	6.5	192	6	5220013-17 Patent No. 5220013
25	56.8	6.5	193	6	5223482-17 Patent No. 5223482
26	56.6	6.5	245	6	5187153-24 Patent No. 5187153
27	56.6	6.5	245	6	5223482-26 Patent No. 5223482

28	56.6	6.5	245	6	5223482-28 Patent No. 5223482
29	55.8	6.4	704	2	US-08-829-876-100 Sequence 100, App
30	55.8	6.4	704	2	US-08-829-876-104 Sequence 104, App
31	55.8	6.4	704	2	US-09-234-874A-100 Sequence 100, App
32	55.8	6.4	704	4	US-09-234-874A-104 Sequence 104, App
33	55	6.3	185	2	US-08-829-876-76 Sequence 76, Appl1
34	55	6.3	185	4	US-09-234-874A-76 Sequence 76, Appl1
35	55	6.3	197	2	US-08-829-876-78 Sequence 78, Appl1
36	55	6.3	197	4	US-09-234-874A-78 Sequence 78, Appl1
37	55	6.3	245	6	5187153-26 Patent No. 5187153
38	55	6.3	445	2	US-08-829-876-80 Sequence 80, Appl1
39	55	6.3	445	2	US-08-829-876-82 Sequence 82, Appl1
40	55	6.3	445	2	US-08-829-876-84 Sequence 84, Appl1
41	55	6.3	445	2	US-08-829-876-86 Sequence 86, Appl1
42	55	6.3	445	2	US-08-829-876-88 Sequence 88, Appl1
43	55	6.3	445	2	US-08-829-876-96 Sequence 96, Appl1
44	55	6.3	445	2	US-08-829-876-98 Sequence 98, Appl1
45	55	6.3	445	2	US-08-829-876-106 Sequence 106, App
46	55	6.3	445	4	US-09-234-874A-80 Sequence 80, Appl1
47	55	6.3	445	4	US-09-234-874A-82 Sequence 82, Appl1
48	55	6.3	445	4	US-09-234-874A-84 Sequence 84, Appl1
49	55	6.3	445	4	US-09-234-874A-86 Sequence 86, Appl1
50	55	6.3	445	4	US-09-234-874A-88 Sequence 88, Appl1
51	55	6.3	445	4	US-09-234-874A-96 Sequence 96, Appl1
52	55	6.3	445	4	US-09-234-874A-98 Sequence 98, App
53	55	6.3	445	4	US-09-234-874A-106 Sequence 74, Appl1
54	54.4	6.2	237	2	US-08-829-876-74 Sequence 74, Appl1
55	54.4	6.2	237	2	US-09-234-874A-74 Sequence 1, Appl1
56	54.4	6.2	399	1	US-07-985-692-1 Sequence 1, Appl1
57	54.4	6.2	399	1	US-08-155-331-1 Sequence 1, Appl1
58	54.4	6.2	399	1	US-08-424-022-1 Sequence 1, Appl1
59	54.4	6.2	399	1	US-08-424-017B-1 Sequence 1, Appl1
60	54.4	6.2	399	5	PCT-US93-11696-1 Sequence 1, Appl1
61	54.4	6.2	3725	1	US-08-155-331-12 Sequence 12, Appl1
62	54.4	6.2	3725	2	US-08-424-017B-12 Sequence 12, Appl1
63	54.4	6.2	3725	2	US-08-424-017B-12 Sequence 12, Appl1
64	54.4	6.2	3725	5	PCT-US93-11696-12 Sequence 12, Appl1
65	52.6	6.0	287	1	US-07-791-213D-82 Sequence 82, Appl1
66	52.6	6.0	287	1	US-08-293-150A-82 Sequence 82, Appl1
67	51.8	5.9	198	1	US-07-791-213D-85 Sequence 85, Appl1
68	51.8	5.9	198	1	US-08-293-150A-12 Sequence 12, Appl1
69	51.8	5.9	210	1	US-07-791-213D-11 Sequence 11, Appl1
70	51.8	5.9	210	1	US-07-972-387-74 Sequence 74, Appl1
71	51.8	5.9	210	1	US-08-431-412-74 Sequence 74, Appl1
72	51.8	5.9	210	1	US-08-057-971-74 Sequence 74, Appl1
73	51.8	5.9	210	2	US-08-293-150A-11 Sequence 11, Appl1
74	51.8	5.9	210	2	US-08-235-518A-24 Sequence 24, Appl1
75	51.8	5.9	276	1	US-07-791-213D-95 Sequence 95, Appl1
76	51.8	5.9	276	1	US-08-293-150A-95 Sequence 95, Appl1
77	51.8	5.9	295	1	US-07-791-213D-85 Sequence 85, Appl1
78	51.8	5.9	445	2	US-08-293-150A-85 Sequence 85, Appl1
79	51.8	5.9	445	2	US-08-829-876-90 Sequence 90, Appl1
80	51.8	5.9	445	2	US-08-829-876-92 Sequence 92, Appl1
81	51.8	5.9	445	2	US-08-829-876-94 Sequence 94, Appl1
82	51.8	5.9	445	4	US-09-234-874A-90 Sequence 90, Appl1
83	51.8	5.9	445	4	US-09-234-874A-92 Sequence 92, Appl1
84	51.8	5.9	445	4	US-09-234-874A-94 Sequence 94, Appl1
85	51.6	5.9	287	1	US-07-791-213D-99 Sequence 99, Appl1
86	51.6	5.9	287	1	US-07-791-213D-99 Sequence 99, Appl1
87	51.2	5.9	153	1	US-07-791-213D-13 Sequence 13, Appl1
88	51.2	5.9	153	1	US-08-293-150A-13 Sequence 13, Appl1
89	51	5.8	349	1	US-07-972-387-3 Sequence 3, Appl1
90	51	5.8	349	1	US-08-431-412-3 Sequence 3, Appl1
91	51	5.8	349	1	US-08-057-971-3 Sequence 3, Appl1
92	51	5.8	350	1	US-07-791-213D-82 Sequence 82, Appl1
93	51	5.8	350	1	US-08-293-150A-82 Sequence 82, Appl1
94	51	5.8	753	4	US-09-152-060-34 Sequence 34, Appl1
95	50.8	5.8	153	1	US-07-791-213D-99 Sequence 9, Appl1
96	50.8	5.8	153	1	US-07-972-387-66 Sequence 66, Appl1
97	50.8	5.8	153	1	US-08-431-412-66 Sequence 66, Appl1
98	50.8	5.8	153	1	US-08-057-971-66 Sequence 66, Appl1
99	50.8	5.8	153	1	US-08-293-150A-9 Sequence 9, Appl1
100	50.8	5.8	243	1	US-08-123-702-7 Sequence 7, Appl1



RESULT 1  
US-09-013-895A-1  
; Sequence 1, Application US/09013896A  
; Patent No. 6360333

TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3  
 NUMBER OF SEQUENCES: 31  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: STEENE, KESSLER, GOLDSTEIN & FOX P. L. L. C.  
 STREET: 1100 NEW YORK AVE., NW, STE. 600  
 CITY: WASHINGTON  
 STATE: DC  
 COUNTRY: US  
 ZIP: 20005  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-PCS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/013,896A

CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: STEFFE, ERIC K.  
REGISTRATION NUMBER: 36,688  
REFERENCE/DOCKET NUMBER: 1488.1290001D  
TELECOMMUNICATION INFORMATION:

```

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
    LENGTH: 1610 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: single
    TOPOLOGY: linear
    MOLECULE TYPE: DNA (genomic)

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FEATURE: 1
NAME/KEY: sig_peptide
LOCATION: 361..439
FEATURE: 2
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NAME/REL :	
LOCATION :	
US-09-013-896A-1	

Query Match	98.78;	Score 862;	DB 4;	length 1610;
Best Local Similarity	99.98;	Pred. No. 1e-211;		
Matches 873; Conservative	0;	Mismatches	0;	Indels 1; Gaps 1

QY	1	CTCCAGCGAATCTTAACTATGAGAAATCTCACCAGCGACGACGACTGGCCCTTG	60
Db	726	CTCCAGCGAATCTTAACTATGAGAAATCTCACCAGCGACGACGACTGGCCCTTG	785
QY	61	CCGTGACATCTTCCACGCGTGTACTTGAAGTGGAAGAACTCTTGCAATTACTTCAT	120
Db	786	CCGTGACATCTTCCACGCGTGTACTTGAAGTGGAAGAACTCTTGCAATTACTTCAT	845
QY	121	CTATGAGAGCTGCCCGGGGCATTAAGAACAGCTACCGCTTGAGAGAGGCTTCATGCTCCG	180
Db	846	CTATGAGAGGCTGCCCGGGGCATTAAGAACAGCTACCGCTTGAGAGAGGCTTCATGCTCCG	905
QY	181	CTGCGTCCGCGACACAGAAATCCCTCCGCGCCGTTGGCTCAAGCGTGCGTTCGCG	240
Db	906	CTGCGTCCGCGACACAGAAATCCCTCCGCGCCGTTGGCTCAAGCGTGCGTTCGCG	965

QY	241	3GGGCTGTTCATGATGGTTGATCCCTTCCTCGGAGAGCCCAAGGCTACCTATACCG	300
Db	966	GGGGCTGTTCATGATGGTTGATCCCTTCCTCGGAGAGCTCATGGTCTACTGATCCG	1025
QY	301	GGTGACGAGSAGAACCAAGAGCGTGCCCTGGCACCGCTGTGAGCTCGGAAATGACAA	360
Db	1026	GGTGACGAGSAGAACCAAGAGCGTGCCCTGGCACCGCTGTGAGCTCGGAAATGACAA	1085
QY	361	GGAGACACTGGTAAACAACATATGTCCTGTACCGCCCTGTGCGCCACAAGACT - 366	419
Db	1086	GGAGACACTGGTAAACAACATATGTCCTGTACCGCCCTGTGCGCCACAAGACTGGGG	1145
QY	420	AAGGAGGAGAGACTGTGTGAGCTTTTAAATAGAGGATTTGACTGGATTGAGT	479
Db	1146	AAGGAGGAGAGACTGTGTGAGCTTTTAAATAGAGGATTTGACTGGATTGAGT	1205
QY	480	GATCATATAGGCGTGAAGCTGTGTTCTCGGAGAGTGGAGCGGCTGCTCGCTCGCA	539
Db	1206	GATCATATAGGCGTGAAGCTGTGTTCTCGGAGAGTGGAGCGGCTGCTCGGTGCGCA	1265
QY	540	GGGAGTGGTTGCTTTGGAAAACTCTAGAGAGCCCTCTCCGATAGGCTCGAGCTCG	599
Db	1266	GGGAGTGGTTGCTTTGGAAAACTCTAGAGAGCCCTCTCTCGATGGCTCGAGCTCG	1325
QY	600	CAGCAGCCCCGAGTTTTCCTCGCGATGATTTCTTCTCCAGGTAGAGTTTCTTT	659
Db	1326	CAGCAGCCCCGAGTTTTCCTCGCGATGATTTCTTCTCCAGGTAGAGTTTCTTT	1385
QY	660	GGTATGTGAATTCATGGCTGCTTTTCCATCAGAGAGGAGTGGAACTGTTCT	719
Db	1386	GGTATGTGAATTCATGGCTGCTTTTCCATCAGAGAGGATGTGGAACTGTTCT	1445
QY	720	TTTGTTTGTCTGATTTTAAAGTTTAAAGTAAATAAACAAGATTTTAAATAGCAATTCG	779
Db	1446	TTTGTTTGTCTGATTTTAAAGTTTAAAGTAAACAAGATTTTAAATAGCAATTCG	1505
QY	780	AAAGAGAGAAAGTAAATATACAAATTAATTAATAAAAGGGCGCTCCCTTACAAATAAT	839
Db	1506	AAAGAGAGAAAGTAAATATACAAATTAATTAATAAAAGGGCGCTCCCTTACAAATAAT	1565
QY	840	TTGAGCATGTGCTTTAAAAAAGAAAAAAAAAAAA 873	
Db	1566	TTGAGCATGTGCTTTAAAAAAGAAAAAAAAAAAA 1599	

## RESULT 2

US-09-385-982-492  
; Sequence 492, Application US/09385982  
; Patent No. 6262334

```
; APPLICANT: ENDEGE, WILSON O., ET AL.  
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION  
; TITLE OF INVENTION: PRODUCTS: 11
```

; CURRENT APPLICATION NUMBER: US/09/385,982

; EARLIER APPLICATION NUMBER: 09/328,111

EARLIER APPLICATION NUMBER: 60/117,393

EARLIER APPLICATION NUMBER: 60/098,639

; NUMBER OF SEQ ID NOS: 544

SEO ID NO 492

TYPE: DNA

ORGANISM: *homo sapiens*

NAME/NET: MISC-LEADU  
LOCATION: (1) (597)

OTHER INFORMATION: R - A, I, C OF 6



```
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: SUGARDE, MICN, LINN, MACPEAK & SPAS
? STREET: 2100 Pennsylvania Avenue, N.W.
? CITY: Washington
? STATE: DC
? COUNTRY: USA
? ZIP: 20037
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy Disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/974.196
? FILING DATE:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 08/885,660
? FILING DATE: 24-JUL-1996
? APPLICATION NUMBER: JPA Hel 7-187134
? FILING DATE: 24-JUL-1995
? ATTORNEY/AGENT INFORMATION:
? NAME: KIT, Gordon
? REGISTRATION NUMBER: 30,764
? REFERENCE/DOCKET NUMBER: Q-42295
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (202) 293-7060
? TELEFAX: (202) 293-7860
? INFORMATION FOR SEQ ID NO: 4:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 759 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
? MOLECULE TYPE: cDNA to mRNA
? ANTI-SENSE: no
? ORIGINAL SOURCE:
? ORGANISM: Homo sapiens
? STRAIN: MKNA5
? FEATURE:
? NAME/KEY: coding sequence
? LOCATION: 1 to 759
? IDENTIFICATION METHOD: by experiment
? NAME/KEY: signal peptide
? LOCATION: 1 to 81
? IDENTIFICATION METHOD: by experiment
? NAME/KEY: mature peptide
? LOCATION: 82 to 759
? IDENTIFICATION METHOD: by experiment
?
? US-08-974-196-4
?
? Query Match 45.1%; Score 394; DB 2; Length 759;
? Best Local Similarity 100.0%; Pred. No. 7.2e-92;
? Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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?
? 1 CTCGAGCATATGTCACACTAGAGATACCTGACCCGCAACGACGACTGAGGCGCTTG 60
? CTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? 366 CTCGAGCATATGTCACACTAGAGATACCTGACCCGCAACGACGACTGAGGCGCTTG 425
?
? QY 61 CCGTGCATCTCTCCACAGCTGGTACTTTGACGTGAGAGAACTCTTCATATCTTCAT 120
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? 426 CCGTGCATCTCTCCACAGCTGGTACTTTGACGTGAGAGAACTCTTCATATCTTCAT 485
?
? DB 121 CTATGAGAGCTGCGGGGGGCAATAGAAACACTGCGCTCTGAGGAGGCGCTTCATGCTCCG 180
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? 486 CTATGAGAGCTGCGGGGGGCAATAGAAACACTGCGCTCTGAGGAGGCGCTTCATGCTCCG 545
?
? QY 181 CTGCTTCGCGACAGAGAAATCCTCCCTGCGCCCTTGCGCTAAAGGTGGTGGTTCGCG 240
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? 546 CTGCTTCGCGACAGAGAAATCCTCCCTGCGCCCTTGCGCTAAAGGTGGTGGTTCGCG 605
?
? DB 241 GGGGCTTTCTGTGATGCTGTGATCTCTTCTCTGGAGGCGCTTCATGCTTACTGATGCG 300
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? 606 GGGGCTTTCTGTGATGCTGTGATCTCTTCTCTGGAGGCGCTTCATGCTTACTGATGCG 665
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? QY 301 GGTGGCAGGAGAGAACACGAGAGCTGCTGCGCACCGCTGTGAGACTCCGAGATGACAA 360
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? DB 666 GGTGGCAGGAGAGAACACGAGAGCTGCTGCGCACCGCTGTGAGACTCCGAGATGACAA 725
?
? QY 361 GGAGCAGCTGTGGAAGAACACATATGTCTGTGA 394
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? DB 726 GGAGCAGCTGTGGAAGAACACATATGTCTGTGA 759
?
? RESULT 5
? US-09-013-896A-13
? Sequence 13, Application US/09013896A
? Patent No. 6262233
? GENERAL INFORMATION:
? APPLICANT: GENTZ, REINER
? TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3
? NUMBER OF SEQUENCES: 31
? CORRESPONDENCE ADDRESS:
? ADDRESS: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.
? STREET: 1100 NEW YORK AVE., NW, STE. 600
? CITY: WASHINGTON
? STATE: DC
? COUNTRY: US
? ZIP: 20005
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/013, 896A
? FILING DATE:
? CLASSIFICATION: 435
? ATTORNEY/AGENT INFORMATION:
? NAME: STERNE, ERIC K.
? REGISTRATION NUMBER: 36,688
? REFERENCE/DOCKET NUMBER: 1488, 1290001
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (301) 309-8504
? TELEFAX: (301) 309-8439
? INFORMATION FOR SEQ ID NO: 13:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 287 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
?
? US-09-013-896A-13
?
? Query Match 32.3%; Score 282.4; DB 4; Length 287;
? Best Local Similarity 98.6%; Pred. No. 1.9e-63;
? Matches 283; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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?
? 46 AGTCACTGGGCGCTTGCGGTGATCTCTCCACGCTGTACTTTGAGCTGAGAGAACTC 105
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? DB 1 AGTCACGCGGCGCTTGCGGTGATCTCTCCACGCTGTACTTTGAGCTGAGAGAACTC 60
?
? QY 106 CTGCAATTAATCTATATATGAGAGGCTGCGCGGCGCAATTAAGAAAGCTACCGCTTGAGGA 165
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? DB 61 CTGCAATTAATCTATATATGAGAGGCTGCGCGGCGCAATTAAGAAAGCTACCGCTTGAGGA 120
?
? QY 166 GAGCGGATGCTGCGCGGCTGCTTCCGACAGAGAAATCCTCCCGCCCTTGCGTCAA 225
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? DB 121 GCGCTGATGCTGCGCTGCTTCCGACAGAGAAATCCTCCCGCCCTTGCGTCAA 180
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? 181 GATGCTGCTTCTGCGGCGCTGTTCGTGATGCTGTGATGCTGTTCCTTGAGAGGCTTCAT 240
?
? QY 286 GGTCTACTGATCCGGGTGGCAAGAGAACACGAGAGCTGCGCTTCG 332
? TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
? DB 241 GGTCTACTGATCCGGGTGGCAAGAGAACACGAGAGCTGCGCTTCG 287
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RESULT 6
US-09-013-896A-14/c
: Sequence 14, Application US/09013896A
: Patent No. 6262233
:
: GENERAL INFORMATION:
: APPLICANT: GENTZ, REINER
: TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3
: NUMBER OF SEQUENCES: 31
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.
: STREET: 1100 NEW YORK AVE., NW, STE. 600
: CITY: WASHINGTON
: STATE: DC
: COUNTRY: US
: ZIP: 20005
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/013,896A
: FILING DATE:
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: STEFFE, ERIC K.
: REGISTRATION NUMBER: 36,688
: REFERENCE/DOCKET NUMBER: 1488.1290001
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (301) 309-8504
: TELEFAX: (301) 309-8439
: INFORMATION FOR SEQ ID NO: 14:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 273 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
:
: US-09-013-896A-14
:
: Query Match 29.8%; Score 260; DB 4; Length 273;
: Best Local Similarity 97.0%; Pred. No. 1e-57;
: Matches 260; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
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: TITLE OF INVENTION: TISSUE FACTOR PATHWAY INHIBITOR-3
: NUMBER OF SEQUENCES: 31
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.
: STREET: 1100 NEW YORK AVE., NW, STE. 600
: CITY: WASHINGTON
: STATE: DC
: COUNTRY: US
: ZIP: 20005
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/013,896A
: FILING DATE:
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: STEFFE, ERIC K.
: REGISTRATION NUMBER: 36,688
: REFERENCE/DOCKET NUMBER: 1488.1290001
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (301) 309-8504
: TELEFAX: (301) 309-8439
: INFORMATION FOR SEQ ID NO: 15:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 256 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
:
: US-09-013-896A-15
:
: Query Match 28.6%; Score 250; DB 4; Length 256;
: Best Local Similarity 99.6%; Pred. No. 3.6e-55;
: Matches 250; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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? ZIP: 20005
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/013,896A
? FILING DATE:
? CLASSIFICATION: 435
? ATTORNEY/AGENT INFORMATION:
? NAME: STEFFE, ERIC K.
? REGISTRATION NUMBER: 36,688
? REFERENCE/DOCKET NUMBER: 1488,1290001
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (301) 309-8504
? TELEFAX: (301) 309-8439
? INFORMATION FOR SEQ ID NO: 17:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 201 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
US-09-013-896A-17
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Query Match
Best Local Similarity 99.0%; Score 188; DB 4; Length 201;
Matches 199; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
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QY 410 GAGCAACGAGAGCGTCCCTCCGACCTCTCGAGCTCCGACATGACAGAGCAGCT 369
DB 1 GAGCAACGAGAGCGTCCCTCCGACCTCTCGAGCTCCGACATGACAGAGCAGCT 60
QY 370 GGTGAAGAACATATGTCTGTGACCGTCTGTGCGCCAGAGAGACT-GGGAAGGAGG 428
DB 61 GGTGAAGAACATATGTCTGTGACCGCTGTGCGCCAGAGAGACTGGGAAGGAGG 120
QY 429 GAGCTATGTGTGAGCTTTTAAATAGAGGATGTCGAGATTGAGTATGATCTATTG 488
DB 121 GAGCTATGTGTGAGCTTTTAAATAGAGGATGTCGAGATTGAGTATGATCTATTG 180
QY 489 GGCTGAGGCTCTTCTCTCTG 509
DB 181 GGCTGAGGCTCTTCTCTCTG 201
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```
RESULT 9
US-09-404-879A-169
? Sequence 169, Application US/09404879A
? Patent No. 6468546
? GENERAL INFORMATION:
? APPLICANT: Mitcham, Jennifer L.
? APPLICANT: King, Gordon E.
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
? FILE REFERENCE: 210121.462C2
? CURRENT APPLICATION NUMBER: US/09/404,879A
? CURRENT FILING DATE: 1999-09-24
? NUMBER OF SEQ ID NOS: 393
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 169
? LENGTH: 276
? TYPE: DNA
? ORGANISM: Homo sapien
US-09-404-879A-169
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Query Match
Best Local Similarity 99.2%; Score 167.4; DB 4; Length 276;
Matches 168; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 CTCGACGATATGTTCACTATAGAGATAGTGCACGCCACGACGATGCGGCTTG 60
```

```
DB 88 CTCGACGATATGTTCACTATAGAGATAGTGCACGCCACGACGATGCGGCTTG 147
QY 61 CCGTGATCTCTCCACGCTGTACTTTGAGTGGAGAGAACTCTGCATATCTTCAAT 120
DB 148 CCGTGATCTCTCCACGCTGTACTTTGAGTGGAGAGAACTCTGCATATCTTCAAT 207
QY 121 CTATGAGGCTCGCGGGGCATATAGAACACTACCGCTCTGTAGAGAGCC 169
DB 208 CTATGAGGCTCGCGGGGCATATAGAACACTACCGCTCTGTAGAGAGAGC 256
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```
RESULT 10
US-09-404-879A-356
? Sequence 356, Application US/09404879A
? Patent No. 6468546
? GENERAL INFORMATION:
? APPLICANT: Mitcham, Jennifer L.
? APPLICANT: King, Gordon E.
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
? FILE REFERENCE: 210121.462C2
? CURRENT APPLICATION NUMBER: US/09/404,879A
? CURRENT FILING DATE: 1999-09-24
? NUMBER OF SEQ ID NOS: 393
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 356
? LENGTH: 207
? TYPE: DNA
? ORGANISM: Homo sapiens
US-09-404-879A-356
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Query Match
Best Local Similarity 100.0%; Score 167; DB 4; Length 207;
Matches 167; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTCACCGATATGTTCACTATAGAGATAGTGCACGCCACGACGATGCGGCTTG 60
DB 41 CTCACCGATATGTTCACTATAGAGATAGTGCACGCCACGACGATGCGGCTTG 100
QY 61 CCGTGATCTCTCCACGCTGTACTTTGAGTGGAGAGAACTCTGCATATCTTCAAT 120
DB 101 CCGTGATCTCTCCACGCTGTACTTTGAGTGGAGAGAACTCTGCATATCTTCAAT 160
QY 121 CTATGAGGCTCGCGGGGCATATAGAACACTACCGCTCTGTAGAGAG 167
DB 161 CTATGAGGCTCGCGGGGCATATAGAACACTACCGCTCTGTAGAGAG 207
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RESULT 11
US-09-404-879A-365/c
? Sequence 365, Application US/09404879A
? Patent No. 6468546
? GENERAL INFORMATION:
? APPLICANT: Mitcham, Jennifer L.
? APPLICANT: King, Gordon E.
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
? FILE REFERENCE: 210121.462C2
? CURRENT APPLICATION NUMBER: US/09/404,879A
? CURRENT FILING DATE: 1999-09-24
? NUMBER OF SEQ ID NOS: 393
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 365
? LENGTH: 371
? TYPE: DNA
? ORGANISM: Homo sapiens
US-09-404-879A-365
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Query Match
Best Local Similarity 100.0%; Score 167; DB 4; Length 371;
Matches 168; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 CTCGACGATATGTTCACTATAGAGATAGTGCACGCCACGACGATGCGGCTTG 60
```

```
Matches 167; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTCACGATATGTTCAACTATGAGAAATACGACCCGCAACCCAGTCACTGGGCTTG 60
  |||
Db 167 CTCACGATATGTTCAACTATGAGAAATACGACCCGCAACCCAGTCACTGGGCTTG 108
QY 61 CCGTGATCTCTCCACGCTGGTACTTTCAGTGGAGAGAACTCGCAATACTTCAT 120
  |||
Db 107 CCGTGATCTCTCCACGCTGGTACTTTCAGTGGAGAGAACTCGCAATACTTCAT 48
QY 121 CTATGAGAGCTCCGCGGCAATAGAACAGCTACCGCTCTGAGAGG 167
  |||
Db 47 CTATGAGAGCTCCGCGGCAATAGAACAGCTACCGCTCTGAGAGG 1

RESULT 12
US-09-404-879A-168/C
; Sequence 168, Application US/09404879A
; Patent No. 5468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 168
; LENGTH: 276
; TYPE: DNA
; ORGANISM: Homo sapien
; NAME/KEY: misc.feature
; LOCATION: (1)...(276)
; OTHER INFORMATION: n = A,T,C or G
US-09-404-879A-168

Query Match 18.9%; Score 165.4; DB 4; Length 276;
Best Local Similarity 98.2%; Pred. No. 1.9e-33;
Matches 166; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 CTCACGATATGTTCAACTATGAGAAATACGACCCGCAACCCAGTCACTGGGCTTG 60
  |||
Db 189 CTCACGATATGTTCAACTATGAGAAATACGACCCGCAACCCAGTCACTGGGCTTG 130
QY 61 CCGTGATCTCTCCACGCTGGTACTTTCAGTGGAGAGAACTCGCAATACTTCAT 120
  |||
Db 129 CCGTGATCTCTCCACGCTGGTACTTTCAGTGGAGAGAACTCGCAATACTTCAT 70
QY 121 CTATGAGAGCTCCGCGGCAATAGAACAGCTACCGCTCTGAGAGAGCC 169
  |||
Db 69 CTATGAGAGCTCCGCGGCAATAGAACAGCTACCGCTCTGAGAGAGC 21

RESULT 13
US-09-222-575-125/C
; Sequence 125, Application US/09222575
; Patent No. 6387697
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
; FILE REFERENCE: 210121.470
; CURRENT APPLICATION NUMBER: US/09/222,575
; CURRENT FILING DATE: 1998-12-28
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 125
; LENGTH: 199
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (112)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (169)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (195)
; OTHER INFORMATION: Where n is a, c, g or t
US-09-222-575-125

Query Match 16.8%; Score 146.8; DB 4; Length 199;
Best Local Similarity 88.7%; Pred. No. 9.4e-29;
Matches 157; Conservative 0; Mismatches 20; Indels 0; Gaps 0;
QY 690 CATCAGAGTATGATGTGAAATGCTTTCTTCTGCTGATTTATGCTTTTAA 749
  |||
Db 199 CATCAGAGTATGATGTGAAATGCTTTCTTCTGCTGATTTATGCTTTTAA 140
QY 750 TATAAACAAGTTTATTATGATTCGAAAGAGAAATAAATGTACAGTTTAA 809
  |||
Db 139 TATAAACAAGTTTATTATGATTCGAAAGAGAAATAAATGTACAGTTTAA 80
QY 810 TAAAGAGGCTCCCTCCCTTTAGAAATAATTTCAGCATGTCTTTCAAAAAA 866
  |||
Db 79 TAAAGAGGCTCCCTCCCTTTAGAAATAATTTCAGCATGTCTTTCAAAAAA 23

RESULT 14
US-09-020-956-15
; Sequence 15, Application US/09020956
; Patent No. 6261562
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 31,392
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 783 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-020-956-15
```

Query Match 8.3%; Score 72.8; DB 4; Length 783;  
Best Local Similarity 61.7%; Pred. No. 1.7e-09;  
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 23 GAAGAACTACTGACCCGCAAGCAGTCTGAGGCTTGGCCGTGACATCTTCCACGCTGG 82  
DB 252 GAAGACTACTGCTCCGATCCCAAMTGGGTGCTGCGGGGCTTTCCACGCTGG 311

QY 83 TACTTTGACGTGAGAGAACTCTGCAATACATTCATATGAGAGCTTCGCCGGGCAAT 142  
DB 312 TACTATGACCCGCAAGCAGATCTGCAAGAGTTCTGTTATGAGGCTTGGGCAAC 371

QY 143 AAGAACACTACCGCTCTGAGAGAGCTGATGCTTCGCTGCTTCCGCCAGCAGAGAT 202  
DB 372 AAGAACACTACCTCTGGGAGAGAGTGCATTCATCCTGTCGCGGTGTGCAAGTGG 431

QY 203 CCT 205  
DB 432 CCT 434

RESULT 15  
US-09-030-607-15  
Sequence 15, Application US/09030607  
Patent No. 6262245  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, David C.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO  
NUMBER OF SEQUENCES: 224  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/030,607  
FILING DATE: 25-FEB-1998  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Makl, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.427C3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 783 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
US-09-030-607-15

Query Match 8.3%; Score 72.8; DB 4; Length 783;  
Best Local Similarity 61.7%; Pred. No. 1.7e-09;  
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 23 GAAGAACTACTGACCCGCAAGCAGTCTGAGGCTTGGCCGTGACATCTTCCACGCTGG 82  
DB 252 GAAGACTACTGCTCCGATCCCAAMTGGGTGCTGCGGGGCTTTCCACGCTGG 311

QY 83 TACTTTGACGTGAGAGAACTCTGCAATACATTCATATGAGAGCTTCGCCGGGCAAT 142  
DB 312 TACTATGACCCGCAAGCAGATCTGCAAGAGTTCTGTTATGAGGCTTGGGCAAC 371

QY 203 CCT 205  
DB 432 CCT 434

DB 312 TACTATGACCCGCAAGCAGATCTGCAAGAGTTCTGTTATGAGAGCTTCGCCGCAAC 371  
QY 143 AAGAACACTACCGCTCTGAGAGAGCTGATGCTTCGCTGCTTCCGCCAGCAGAGAT 202  
DB 372 AAGAACACTACCTCTGGGAGAGAGTGCATTCATCCTGTCGCGGTGTGCAAGTGG 431

QY 203 CCT 205  
DB 432 CCT 434

RESULT 16  
US-09-605-785-15  
Sequence 15, Application US/09605785  
Patent No. 6321716  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, David C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yuqi  
APPLICANT: Henderson, Robert A.  
APPLICANT: Kalos, Michael D.  
APPLICANT: Fanger, Gary R.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
FILE REFERENCE: 210121.427C16  
CURRENT APPLICATION NUMBER: US/09/605,785  
CURRENT FILING DATE: 2000-06-27  
NUMBER OF SEQ ID NOS: 835  
SOFTWARE: PasteSeq for Windows Version 3.0  
SEQ ID NO 15  
LENGTH: 783  
TYPE: DNA  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(783)  
OTHER INFORMATION: n = A,T,C or G  
US-09-605-785-15

Query Match 8.3%; Score 72.8; DB 4; Length 783;  
Best Local Similarity 61.7%; Pred. No. 1.7e-09;  
Matches 113; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 23 GAAGAACTACTGACCCGCAAGCAGTCTGAGGCTTGGCCGTGACATCTTCCACGCTGG 82  
DB 252 GAAGACTACTGCTCCGATCCCAAMTGGGTGCTGCGGGGCTTTCCACGCTGG 311

QY 83 TACTTTGACGTGAGAGAACTCTGCAATACATTCATATGAGAGCTTCGCCGGGCAAT 142  
DB 312 TACTATGACCCGCAAGCAGATCTGCAAGAGTTCTGTTATGAGGCTTGGGCAAC 371

QY 143 AAGAACACTACCGCTCTGAGAGAGCTGATGCTTCGCTGCTTCCGCCAGCAGAGAT 202  
DB 372 AAGAACACTACCTCTGGGAGAGAGTGCATTCATCCTGTCGCGGTGTGCAAGTGG 431

QY 203 CCT 205  
DB 432 CCT 434

RESULT 17  
US-09-439-313-15





Thu May 29 07:27:56 2003

us-09-825-682a-56.rni

Page 10

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US-08-685-5584-8
: Sequence 8, Application US/08685558A
: Patent No. 6225081
: GENERAL INFORMATION:
: APPLICANT: SHIMOMURA, Takeshi
: APPLICANT: KAWAGUCHI, Toshiya
: APPLICANT: KITAMURA, Naomi
: APPLICANT: MIYAZAWA, Keiji
: TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME
: TITLE OF INVENTION: AND METHOD OF PRODUCING THE PROTEIN
: NUMBER OF SEQUENCES: 18
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: SUGHRUE, MIOW, ZINN, MACPEAK & SEAS
: STREET: 2100 Pennsylvania Avenue, N.W.
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20037
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/685,558A
: FILING DATE: 24-JUL-1996
: PRIOR APPLICATION DATA:
: FILING DATE: 24-Jul-1995
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1542 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA to mRNA
: ART1-SENSE: no
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: STRAIN: MKN45
: FEATURE:
: NAME/KEY: coding sequence
: LOCATION: 1 to 1542
: IDENTIFICATION METHOD: by experiment
: NAME/KEY: signal peptide
: LOCATION: 1 to 105
: IDENTIFICATION METHOD: by experiment
: NAME/KEY: mature peptide
: LOCATION: 106 to 1542
: IDENTIFICATION METHOD: by experiment
US-08-685-5584-8

Query Match 8.28; Score 71.4; DB 4; Length 1542;
Best Local Similarity 65.28; Pred.No. 5.2e-09;
Matches 105; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

Dd 23 GAGAAATACAGCCGCCACAGCAGATCAGCGCCCTTGCGCGATCCTTCCTCCACGCTGG 82
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Dd 733 GAGACATCTGCTGCTGCATCAACACAGGTGGGTGCTGCGGGGGCTCTTTTCCACGCTGG 798
||||| ||||| ||| | ||| ||| ||| ||||| |||
QY 83 TACTTTGACGTGGAGAGAACTCTGCATTAACCTCATCTATGAGAGCTGCGGGGCAT 142
||||| ||||| | | ||||| ||| | ||||| |||||
Dd 799 TACTATGACCCCAAGAGAGAGATCTGCAGAGTTTGTATTAGGAGCTGCTGGGCAAC 858
||||| ||||| ||| | ||| ||| ||| ||||| |||
QY 143 AAGAACAGCTACGCTCTGAGAGAGGAGCCTGATGCTCCGCTG 183
||||| ||||| ||| | ||| ||| ||| ||||| |||
Dd 859 AAGAACACTACCTTCGGGAGACAGAGTGCATTCCTAGCCTG 899
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RESULT 21
US-09-765-449-8
: Sequence 8, Application US/09765449

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1 Patent No. 5465622
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3 GENERAL INFORMATION:
4
5 APPLICANT: SHIMOMURA, Takeshi
6 KAWAGUCHI, Toshiya
7 KITAMURA, Naomi
8 MIYAZAWA, Keiji
9
10 TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME
11 AND METHOD OF PRODUCING THE PROTEIN
12
13 NUMBER OF SEQUENCES: 18
14 CORRESPONDENCE ADDRESS:
15 ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
16 STREET: 2100 Pennsylvania Avenue, N.W.
17 CITY: Washington
18 STATE: DC
19 COUNTRY: USA
20 ZIP: 20037
21
22 COMPUTER READABLE FORM:
23
24 MEDIUM TYPE: Floppy Disk
25 COMPUTER: IBM PC compatible
26 OPERATING SYSTEM: PC-DOS/MS-DOS
27 SOFTWARE: PatentIn Release #1.0, Version #1.25
28
29 CURRENT APPLICATION DATA:
30 APPLICATION NUMBER: US/09/765,449
31 FILING DATE: 22-Jan-2001
32
33 PRIOR APPLICATION DATA:
34 APPLICATION NUMBER: 08/685,558
35 FILING DATE: <Unknown>
36
37 INFORMATION FOR SEQ. ID NO: 8
38
39 SEQUENCE CHARACTERISTICS:
40
41 LENGTH: 1542 base pairs
42 TYPE: nucleic acid
43 STRANDEDNESS: double
44 TOPOLOGY: linear
45
46 MOLECULE TYPE: cDNA to mRNA
47
48 ANTI-SENSE: no
49
50 ORIGINAL SOURCE:
51 ORGANISM: Homo sapiens
52 STRAIN: MKR45
53 (ix) FEATURES:
54
55 SEQUENCE DESCRIPTION: SEQ ID NO: 8
56
57 US-09-765-449-8
58
59
60 Query Match 8.2%; Score 71.4; DB 4; Length 1542;
61 Best Local Similarity 65.2%; Pred. No. 5.2e-09;
62 Matches 105; Conservative 0; Mismatches 56; Indels 0; Gaps 0;
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64 Oy 22 GAAGAATATTCGACGGCCAGCAGCAGTCACTGGGCGTTCGCGCATCTCTCCACGCTGG 82
65 Db 739 GAAGACTACAGCTGCTGCATCCAAAGAGGTGGTGGCTGGCGGGCTCTTTCCACGCTGG 798
66 Oy 83 TACTTTCACCTGAGAGAGAACCTCTGCATTAACCTTATCTATGAGAGCTCCCGGCAT 142
67 Db 799 TACTATATGAGCCCAAGCAGAGAGATCTGCACAAGATTGCTTTATGAGAGGCTCTTGCGCAAC 858
68 Oy 143 AAGAACAGCTACCGCTCTGAGAGAGCCCTGCATCTCCGCTG 183
69 Db 859 AAGAACAACACTACCTTCGGGAGAAAGAGTCCATCTAGCCTG 899
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71 RESULT 22
72 US-09-071-709-6
73 ; Sequence 6, Application US/09071709
74 ; Patent No. 6171790
75
76 GENERAL INFORMATION:
77
78 APPLICANT: Hillman, Jennifer L.
79 APPLICANT: Tang, Y. Tom
80 APPLICANT: Lal, Preeli
81 APPLICANT: Corley, Neil C.
82 APPLICANT: Gueglert, Karl J.
83 APPLICANT: Patterson, Chandra
84
85 TITLE OF INVENTION: HUMAN PROTEASE ASSOCIATED PROTEINS
86
87 NUMBER OF SEQUENCES: 12
88 CORRESPONDENCE ADDRESS:
89

```

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/071,709  
FILING DATE: Filed Herewith  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CERONE, MICHAEL C.  
REGISTRATION NUMBER: 39,132  
REFERENCE/DOCKET NUMBER: PF-0513 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1870 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: BLADNOT04  
CLONE: 1319265  
US-09-071-709-6

Query Match  
Best Local Similarity 7.9%; Score 68.6; DB 4; Length 1870;  
Matches 104; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

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DB 327 AAGACTAGCTGCTGCGATCCACAGAGTGGTGGCGCTGCTTCCAGCGT 386  
QY 81 GGTACTTGTGAGTGGAGAGAGTCTGCGATTAATTCATCTATGAGAGCGTCCGAGCA 140  
DB 387 GGTACTATGACCCAGCGAGAGTCTGCAAGAGTTGTTTANGAGAGGTCTTGGCA 446  
QY 141 ATGAGAGAGTACCGCTGCTGAGAGCGCTGATCTCCGCTG 183  
DB 447 ACAGAGACACTGCTTGGGAGAGAGTGCATCTTGGCTG 489

RESULT 23  
5187153-16  
PATENT NO. 5187153  
APPLICANT: CORDELL, BARBARA; SCHILLING, JAMES W.; KATUNUMA, NORUHIKO  
TITLE OF INVENTION: METHODS OF TREATMENT USING ALZHEIMER'S  
AMYLOID POLYPEPTIDE DERIVATIVES  
NUMBER OF SEQUENCES: 33  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/502,273  
FILING DATE: 29-MAR-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 361,912  
FILING DATE: 06-JUN-1989  
APPLICATION NUMBER: 359,911  
FILING DATE: 12-MAY-1989  
APPLICATION NUMBER: 87,002  
FILING DATE: 18-AUG-1987  
APPLICATION NUMBER: 8,810  
FILING DATE: 30-JAN-1987  
APPLICATION NUMBER: 948,376  
FILING DATE: 31-DEC-1986  
APPLICATION NUMBER: 932,193  
FILING DATE: 17-NOV-1986

SEQ ID NO: 16;  
LENGTH: 192  
5187153-16

Query Match  
Best Local Similarity 6.5%; Score 56.8; DB 6; Length 192;  
Matches 100; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 19 CTGTGAGAAATGACGACCGCCAGCGAGTCTGCGGCTTGGCGCTGCTTCCAGCG 78  
DB 5 CAACGCGAGGTGCTGCTGAGACAGTGAAGTGGCGCGCTGATGATCTCCG 64  
QY 79 CTGTGACTTGTGATGACTGAGTGAAGTGGCGCTGCTTCCAGCG 138  
DB 65 CTGTGACTTGTGATGACTGAGTGAAGTGGCGCTGCTTCCAGCG 124  
QY 139 CATAAGAGAGTACCGCTCTGAGAGAGTCTGATGCTCCGCTGCTCCG 190  
DB 125 CAACGCTAACACTTGTGACACTGAGAGTGAAGTGAAGTGGCGAGC 176

RESULT 24  
5220013-17  
PATENT NO. 5220013  
APPLICANT: PONTE, PHYLLIS A.; CORDELL, BARBARA  
TITLE OF INVENTION: DNA SEQUENCE USEFUL FOR THE DETECTION  
OF ALZHEIMER'S DISEASE  
NUMBER OF SEQUENCES: 30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/444,118  
FILING DATE: 30-NOV-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 87,002  
FILING DATE: 18-AUG-1987  
APPLICATION NUMBER: 8,810  
FILING DATE: 30-JAN-1987  
APPLICATION NUMBER: 948,376  
FILING DATE: 31-DEC-1986  
APPLICATION NUMBER: 932,193  
FILING DATE: 17-NOV-1986  
SEQ ID NO: 17;  
LENGTH: 192  
5220013-17

Query Match  
Best Local Similarity 6.5%; Score 56.8; DB 6; Length 192;  
Matches 100; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 19 CTGTGAGAAATGACGACCGCCAGCGAGTCTGCGGCTTGGCGCTGCTTCCAGCG 78  
DB 5 CAACGCGAGGTGCTGCTGAGACAGTGAAGTGGCGCGCTGATGATCTCCG 64  
QY 79 CTGTGACTTGTGACGCTGAGAGAGTCTGCAATTAATTCATCTANGAGAGTCCGCGG 138  
DB 65 CTGTGACTTGTGATGACTGAGTGAAGTGGCGCTGCTTCCAGCG 124  
QY 139 CATAAGAGAGTACCGCTCTGAGAGAGTCTGATGCTCCGCTGCTCCG 190  
DB 125 CAACGCTAACACTTGTGACACTGAGAGTGAAGTGAAGTGGCGAGC 176

RESULT 25  
5223482-17  
PATENT NO. 5223482  
APPLICANT: SCHILLING, JAMES W.; PONTE, PHYLLIS A.; CORDELL, BARBARA  
TITLE OF INVENTION: RECOMBINANT ALZHEIMER'S PROTEASE  
INHIBITORY AMYLOID PROTEIN AND METHOD OF USE  
NUMBER OF SEQUENCES: 34  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/361,912  
FILING DATE: 06-JUN-1989  
PRIOR APPLICATION DATA:



DY 13 GTTCACTATGAGAAITACGACCAGCCAAAGCAGTCACTGGGCGTTGCCGPGCATCTT 72

D6 51 GGTGACCAAGCCGAGGTGTGCTGTGACACAGCTGAGACCGTGCTCCGTGCCTGCAATGAT 110

**Q7**      73 CCCACGCTGGTACTTTACAGTGAGAGAAACCTTCGATTA<sup>CTTCATCATGTGA</sup>GCGTGC 132  
          | ||||| ||||| || | ||| | ||| ||  
**D8**      111 CTTCCGCTGGTACTTTACAGTCACTGAAGTAGAGTCCGCTCATTCTTTA<sup>CAGCGG</sup>CTTG 170



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: May 27, 2003, 06:18:27 ; Search time 20.6177 seconds

(without alignments)  
4634.194 Million cell updates/sec

Title: US-09-825-682a-57  
Perfect score: 325  
Sequence: 1 aaagagggcgcagggcct.....gtacaaaaaaaaaaaaaa 325

Scoring table: IDENTITY\_NUC  
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Searched: 441362 seqs, 15338381 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 100 summaries

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5: /cgn2.6/prodata/1/ina/PCUS.COMB.seq:\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	307.4	94.6	2430	2	US-08-488-199-3
2	285.8	87.9	4797	4	US-09-643-597-134
3	113	34.8	26700	1	US-08-472-217-1
4	113	34.8	26700	2	US-08-488-199-5
5	113	34.8	26700	3	US-08-760-534A-1
6	112.6	34.6	2432	1	US-08-078-663A-1
7	38.8	11.9	958	2	US-08-757-066A-5
8	38.8	11.9	958	3	US-09-447-208-5
9	38.8	11.9	958	3	US-09-135-988-5
10	38.8	11.9	958	4	US-09-277-716-5
11	38.8	11.9	958	4	US-08-597-274A-5
12	38.8	11.9	958	4	US-08-908-909-5
13	38.8	11.9	958	4	US-08-908-909-5
14	38.8	11.9	958	4	US-09-609-161B-5
15	38.4	11.8	8920	4	US-08-446-855A-1
16	38.4	11.8	8920	4	US-09-150-741-1
17	38.2	11.8	1332	2	US-09-057-762-1
18	38.2	11.8	1332	3	US-08-326-119A-1
19	37.6	11.6	1260	1	US-08-599-252-79
20	37.6	11.6	1260	1	US-08-436-074-52
21	37.6	11.6	1260	5	PCT-US96-0652-79
22	37.6	11.6	1260	5	PCT-US96-06583-79
23	37.6	11.6	1260	5	US-08-684-862-70
24	36.4	11.2	579	4	US-09-040-984-75
25	36.4	11.2	579	4	US-09-123-912-75
26	36.4	11.2	579	4	US-09-643-597-75
27	36.2	11.1	4257	2	US-08-690-473-1
28	36.2	11.1	4257	4	US-09-259-821A-1
29	36.2	11.1	4257	4	US-08-843-659-1
30	36.2	11.1	4337	3	US-09-187-049-1
31	36.2	11.1	12001	1	US-08-458-568A-11
32	35.4	10.9	2851	4	US-09-535-521-1
33	35.4	10.9	2851	4	US-08-445-640-9
34	35.4	10.9	3785	3	US-08-170-558-9
35	35.4	10.9	3785	3	US-08-447-314-9
36	35.4	10.9	3785	3	US-08-445-461-9
37	35.2	10.8	1172	1	US-07-945-288-9
38	35.2	10.8	1172	1	US-08-462-831-9
39	35.2	10.8	1172	1	US-08-461-809-9
40	35.2	10.8	1172	1	US-08-461-809-9
41	35.2	10.8	1172	1	US-08-461-809-9
42	35.2	10.8	1172	5	PCT-US93-08518-9
43	35.2	10.8	1841	5	PCT-US93-00362-1
44	35	10.8	3214	1	US-08-484-105-17
45	35	10.8	5173	1	US-08-484-106-17
46	35	10.8	5173	4	US-08-242-677-1
47	34.8	10.7	1633	4	US-09-119-788-1
48	34.8	10.7	2205	3	US-08-888-077A-41
49	34.6	10.6	579	1	US-09-198-284-1
50	34.6	10.6	579	1	US-09-198-284-3
51	34.6	10.6	579	2	US-08-987-122-1
52	34.6	10.6	579	2	US-08-987-122-3
53	34.6	10.6	1863	1	US-09-198-284-4
54	34.6	10.6	1863	2	US-08-987-122-4
55	34.6	10.6	2196	4	US-09-149-476-163
56	34.6	10.6	3010	4	US-08-961-527-25
57	34.6	10.6	3319	3	US-08-335-844A-15
58	34.4	10.6	1408	4	US-09-605-785-587
59	34.4	10.6	4300	1	US-08-041-538-1
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61	34.4	10.6	4300	1	US-08-455-602-1
62	34.4	10.6	4300	2	US-08-465-157-1
63	34.4	10.6	4300	5	PCT-US91-09422-1
64	34.4	10.6	8920	2	US-08-446-855A-1
65	34.4	10.6	8920	4	US-09-150-741-1
66	34.2	10.5	622	4	US-09-385-982-184
67	34.2	10.5	1378	4	US-09-149-476-208
68	34.2	10.5	1882	4	US-09-370-253-1
69	34.2	10.5	2323	4	US-09-149-476-24
70	34	10.5	1315	4	US-09-721-822A-10
71	34	10.5	1435	2	US-08-955-713-3
72	34	10.5	1485	4	US-09-372-422A-39
73	34	10.5	1656	3	US-09-072-384-17
74	34	10.5	1679	3	US-09-072-384-17
75	34	10.5	2502	4	US-09-920-663-3
76	34	10.5	3812	4	US-09-784-316-1
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78	33.8	10.4	1700	2	US-08-897-340-4
79	33.8	10.4	1700	3	US-09-252-329-4
80	33.8	10.4	2672	1	US-08-703-947-1
81	33.8	10.4	1639	4	US-09-362-473-5
82	33.6	10.3	2301	1	US-09-561-825-1
83	33.6	10.3	2322	1	US-08-618-164-1
84	33.6	10.3	2361	4	US-09-561-825-26
85	33.6	10.3	2361	4	US-09-561-825-29
86	33.6	10.3	2362	4	US-09-561-825-27
87	33.6	10.3	2363	4	US-09-561-825-28
88	33.6	10.3	2649	2	US-08-718-964-1
89	33.6	10.3	2649	2	US-09-059-964A-1
90	33.6	10.3	2649	2	US-08-842-341-1
91	33.6	10.3	2671	6	5168051-9
92	33.6	10.3	6200	4	US-09-439-923-1
93	33.6	10.3	371	1	US-08-664-596B-25
94	33.4	10.3	371	2	US-08-739-775-3
95	33.4	10.3	599	4	US-09-328-111-147
96	33.4	10.3	1578	4	US-09-416-050A-1
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98	33.4	10.3	1578	4	US-09-665-309-1
99	33.4	10.3	1578	4	US-09-661-569-1
100	33.4	10.3	1578	4	US-09-661-569-1

## ALIGNMENTS

## RESULT 1

US-08-488-199-3

; Sequence 3, Application US/08488199

; Patent No. 5851993

; GENERAL INFORMATION:

; APPLICANT: Jaikaneu, Markku

; APPLICANT: Mali, Markku

; TITLE OF INVENTION: Suppression of Tumor Cell Growth By

; TITLE OF INVENTION: Syndecan-1 Ectodomain

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: STERN, KESSLER, GOLDSTEIN &amp; FOX

; STREET: 1100 New York Ave., NW

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/488,199

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/258,862

; FILING DATE: 13-JUN-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Cimbal, Michele A.

; REGISTRATION NUMBER: 33,851

; REFERENCE/DOCKET NUMBER: 1102.0130001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-371-2600

; TELEFAX: 202-371-2540

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2430 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: both

; TOPOLOGY: both

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 206..1138

; US-08-488-199-3

Query Match 94.6%; Score 307.4; DB 2; Length 2430;

Best Local Similarity 99.1%; Pred. No. 1.7e-73;

Matches 319; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

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QY 4 GAGGGCGCAGGGGCGCTGAGATCTCTGACAGACACGCCCGTCTGCTGCGCGCG 63
    |||||||
DB 2100 GAGGGCGCAGGGGCGCTGAGATCTCTGACAGACACGCCCGTCTGCTGCGCG 2158
    |||||||
QY 64 TCTCCAGGGGCGCTCTCTCTGAAATGACGAGGGGTGCTTGGGCGAGAGCTGGCT 123
    |||||||
DB 2159 TCTCCAGGGGCGCTCTCTCTGAAATGACGAGGGGTGCTTGGGCGAGAGCTGGCT 2218
    |||||||
QY 124 GAGCGCTCCATCCAGGCGAGTTCCTGCTGAGTCTGAGCCGACGCTGAGCGCTG 183
    |||||||
DB 2219 GAGCGCTCCATCCAGGCGAGTTCCTGCTGAGTCTGAGCCGACGCTGAGCGCTG 2278
    |||||||
QY 184 GCGTGAATCAGGAATTTTCCAAAGAGTATGATCTTTGCTTTGGCAAAACTCTAC 243
    |||||||
DB 2279 GCGTGAATCAGGAATTTTCCAAAGAGTATGATCTTTGCTTTGGCAAAACTCTAC 2338
    |||||||
QY 244 TTAATCCATGGGTTTCTCTGTACAGTAGATTTTCCAAATGTAATTAATTTAATA 303
    |||||||
```

```
DB 2339 TTAATCCATGGGTTTCTCTGTACAGTAGATTTTCCAAATGTAATTAATTTAATA 2398
    |||||||
QY 304 AAGTAAAAAAAAAAAAAAAA 325
    |||||||
DB 2399 AAGTAAAAAAAAAAAAAAAA 2420
    |||||||
```

## RESULT 2

US-09-643-597-134

; Sequence 134, Application US/09643597

; Patent No. 6426072

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Fan, Liqun

; APPLICANT: Kalos, Michael D.

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Hosken, Nancy

; APPLICANT: Fanger, Gary R.

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skelky, Yasir A.W.

; APPLICANT: Henderson, Robert A.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER

; FILE REFERENCE: 210121.455C11

; CURRENT APPLICATION NUMBER: US/09/643,597

; NUMBER OF SEQ ID NOS: 369

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 134

; LENGTH: 4797

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: (1)..(4797)

; OTHER INFORMATION: n = A,T,C or G

; US-09-643-597-134

Query Match 87.9%; Score 285.8; DB 4; Length 4797;

Best Local Similarity 96.1%; Pred. No. 1.4e-67;

Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

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QY 4 GAGGGCGCAGGGGCGCTGAGATCTCTGACAGACACGCCCGTCTGCTGCGCGCG 63
    |||||||
DB 3765 GAGGGCGCAGGGGCGCTGAGATCTCTGACAGACACGCCCGTCTGCTGCGCGCG 3824
    |||||||
QY 64 TCTCCAGGGGCGCTCTCTCTGAAATGACGAGGGGTGCTTGGGCGAGAGCTGGCT 123
    |||||||
DB 3825 TCTCCAGGGGCGCTCTCTCTGAAATGACGAGGGGTGCTTGGGCGAGAGCTGGCT 3884
    |||||||
QY 124 GAGCGCTCCATCCAGGCGAGTTCCTGCTGAGTCTGAGCCGACGCTGAGCGCTG 183
    |||||||
DB 3885 GAGCGCTCCATCCAGGCGAGTTCCTGCTGAGTCTGAGCCGACGCTGAGCGCTG 3944
    |||||||
QY 3945 GCGTGAATCAGGAATTTTCCAAAGAGTATGATCTTTGCTTTGGCAAAACTCTAC 4004
    |||||||
QY 244 TTAATCCATGGGTTTCTCTGTACAGTAGATTTTCCAAATGTAATTAATTTAATA 303
    |||||||
DB 4005 TTAATCCATGGGTTTCTCTGTACAGTAGATTTTCCAAATGTAATTAATTTAATA 4064
    |||||||
QY 304 AAGTA 308
    |||||||
DB 4065 AAGTA 4069
    |||||||
```

## RESULT 3

US-08-472-217-1

; Sequence 1, Application US/08472217

```

? Patent No. 5726058
? GENERAL INFORMATION:
? APPLICANT: Alanen-Kurki, Leena
? APPLICANT: Auvinen, Petri
? APPLICANT: Jaakkola, Penu
? APPLICANT: Jalkanen, Markku
? APPLICANT: Lepp, Sirpa
? APPLICANT: Mäli, Markku
? APPLICANT: Vihinen, Tapani
? APPLICANT: M. rri, Anni
? TITLE OF INVENTION: Syndecan Stimulation of Cellular
? TITLE OF INVENTION: Differentiation
? NUMBER OF SEQUENCES: 4
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Sterne, Kessler, Goldstein & Fox
? STREET: 1100 New York Avenue, Suite 600
? CITY: Washington
? STATE: D.C.
? COUNTRY: U.S.A.
? ZIP: 20005
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/472,217
? FILING DATE: 07-JUN-1995
? CLASSIFICATION: 514
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/206,186
? FILING DATE: 07-MAR-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 07/988,427
? FILING DATE: 01-DEC-1992
? ATTORNEY/AGENT INFORMATION:
? NAME: Cimbalà, Michele A.
? REGISTRATION NUMBER: 33,851
? REFERENCE/DOCKET NUMBER: 1102.005003
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (202) 371-2600
? TELEFAX: (202) 371-2540
? INFORMATION FOR SEQ ID NO: 1:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 26700 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: both
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
? HYPOTHEETICAL: NO
? ANTI-SENSE: NO
? FEATURE:
? NAME/KEY: CDS
? LOCATION: join(4378..4443, 22026..22106, 23001..23483,
? LOCATION: 23905..24039, 24251..24418)
US-08-472-217-1

Query Match
Best local Similarity 34.8%; Score 113; DB 1; Length 26700;
Matches 208; Conservative 0; Mismatches 50; Indels 15; Gaps 5;

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```

QY 216 TAGCTTTTGGCCAAACCTACTTAATCCATGGGTTTCTCTGTACAGTACA 275
DB 25590 - AGCTTTGCTTTGGCCAAACCTACTTAATCCATGGGTTTCTCTGTACAGTACA 25643
QY 276 TTTTCCAAATGTAATAAATTATATATAAGTA 308
DB 25644 TTTTCCAAATGTAATAAATTATATATAAGTA 25676

```

```

RESULT 4
US-08-488-199-5
? Sequence 5, Application US/08488199
? Patent No. 5851993
? GENERAL INFORMATION:
? APPLICANT: Jalkanen, Markku
? APPLICANT: Mäli, Markku
? TITLE OF INVENTION: Suppression of Tumor Cell Growth By
? NUMBER OF SEQUENCES: 8
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
? STREET: 1100 New York Ave., NW
? CITY: Washington
? STATE: DC
? COUNTRY: USA
? ZIP: 20005
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/488,199
? FILING DATE: 07-JUN-1995
? CLASSIFICATION: 514
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/258,862
? FILING DATE: 13-JUN-1994
? ATTORNEY/AGENT INFORMATION:
? NAME: Cimbalà, Michele A.
? REGISTRATION NUMBER: 33,851
? REFERENCE/DOCKET NUMBER: 1102.0130001
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 202-371-2600
? TELEFAX: 202-371-2540
? INFORMATION FOR SEQ ID NO: 5:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 26700 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 4378..4443
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 22026..22107
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 23002..23483
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 23905..24040
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 24252..24418
US-08-488-199-5

```

```

Query Match
Best local Similarity 34.8%; Score 113; DB 2; Length 26700;
Matches 208; Conservative 0; Mismatches 50; Indels 15; Gaps 5;
QY 36 GACACAGCCGCTGCTGCGCGCTCCAGGGGCTGCTTCCTCGTAATATGAC 95

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```

Db      25419 GCCCAGCGCTCCACCTTTGGTACCATCTCTA-GTCATCCTTCCTCCCGAAGTTGAC 25477
QY      96 GAGGGGTGTCTGGGAGAGCTGCGTGCAGCGCTCCATCCAGGCCAGGTTCCTGTT 155
Db      25478 AAGACACATCTTGAGTATGGCTGGCAGCG-GTTCCTCCATCAAGAACCAAGTTCACTTC 25536
QY      156 AACTCTGTGTGGCCCGCCCGCTGGGATCAGCAATATTTCCTCCAAAGAGTGA 215
Db      25537 AGCTCGTGTGCCCC-----GCCCCAGCGCTGAGTCAAGAAATGTTTCCCAAGAGTG- 25589
QY      216 TAGCTTTGCTTTTGGCAAAACTCTACTTATCCATGGGTTTTCTCTGTACAGTGA 275
Db      25590 -AGCTTTTGGCTTTTGGCAAAAGCTACTTATCCATGGGT-----TCTGTACAGTGA 25643
QY      276 TTTTCCAAATGTATTAACCTTTAATATAAGTA 308
Db      25644 TTTTGCAGATGTATATAACCTTTAATATAAGTA 25676

```

## RESULT 5

```

US-08-760-534A-1
; Sequence 1, Application US/08760534A
; Patent No. 6017727

```

## GENERAL INFORMATION:

```

; APPLICANT: JALKANEN, MARKKU
; APPLICANT: JAKKOILA, PANU
; APPLICANT: VIHINEN, TAPANI
; TITLE OF INVENTION: SYNDECAN ENHANCER ELEMENT AND SYNDECAN
; TITLE OF INVENTION: STIMULATION OF CELLULAR DIFFERENTIATION
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVENUE, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: US
; ZIP: 20005-3934

```

## COMPUTER READABLE FORM:

```

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/760,534A
; FILING DATE: 02-DEC-1996
; CLASSIFICATION: 435

```

## PRIORITY APPLICATION DATA:

```

; APPLICATION NUMBER: US 08/206,186
; FILING DATE: 07-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FI93/00514
; FILING DATE: 01-DEC-1993

```

## ATTORNEY/AGENT INFORMATION:

```

; NAME: CIMEBALA, MICHELE A.
; REGISTRATION NUMBER: 33,851
; REFERENCE/DOCKET NUMBER: 1708.0050004/MAC
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26700 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear

```

## MOLECULE TYPE: DNA (genomic)

## FEATURE:

```

; NAME/KEY: CDS
; LOCATION: join(4378..4443, 22026..22106, 23001..23483,
; LOCATION: 23905..24039, 24251..24418)
; US-08-760-534A-1

```

```

Query Match      34.8%; Score 113; DB 3; Length 26700;
Best Local Similarity 76.2%; Pred. No. 6.9e-21;
Matches 208; Conservative 0; Mismatches 50; Indels 15; Gaps 5;
QY      36 GACCAAGCGGCTCCTGCTGTGTGGCGCGCTCTCCAGGGGCTCTCTCTCGGAATTTGAC 95
Db      25419 GCCCAGCGCTCCACCTTTGGTACCATCTCTA-GTCATCCTTCCTCCCGAAGTTGAC 25477
QY      96 GAGGGGTGTCTGGGAGAGCTGCGTGCAGCGCTCCATCCAGGCCAGGTTCCTGTT 155
Db      25478 AAGACACATCTTGAGTATGGCTGGCAGCG-GTTCCTCCATCAAGAACCAAGTTCACTTC 25536
QY      156 AACTCTGTGTGGCCCGCCCGCTGGGATCAGCAATATTTCCTCCAAAGAGTGA 215
Db      25537 AGCTCGTGTGCCCC-----GCCCCAGCGCTGAGTCAAGAAATGTTTCCCAAGAGTG- 25589
QY      216 TAGCTTTGCTTTTGGCAAAACTCTACTTATCCATGGGTTTTCTCTGTACAGTGA 275
Db      25590 -AGCTTTTGGCTTTTGGCAAAAGCTACTTATCCATGGGT-----TCTGTACAGTGA 25643
QY      276 TTTTCCAAATGTATTAACCTTTAATATAAGTA 308
Db      25644 TTTTGCAGATGTATATAACCTTTAATATAAGTA 25676

```

## RESULT 6

```

US-08-078-683A-1
; Sequence 1, Application US/08078683A
; Patent No. 5486599

```

## GENERAL INFORMATION:

```

; APPLICANT: Saunders, Scott
; APPLICANT: Benfield, Merton
; APPLICANT: Kato, Masato
; TITLE OF INVENTION: Construction and Use of Synthetic
; TITLE OF INVENTION: Constructs Encoding Syndecan
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109

```

## COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII (text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/078,683A
; FILING DATE: 17-JUN-1993
; CLASSIFICATION: 435

```

## ATTORNEY/AGENT INFORMATION:

```

; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: CME-062
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2432 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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## MOLECULE TYPE: CDNA

## FEATURE:

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; NAME/KEY: CDS
; LOCATION: 240..1175
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 305..306
; OTHER INFORMATION: /function="Exon 1/Exon2 boundary"

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```

1 TYPE: nucleic acid
2 STRANDEDNESS: single
3 TOPOLOGY: linear
4 MOLECULE TYPE: cDNA
5 HYPOTHEICAL: NO
6 ANTI-SENSE: NO
7 FRAGMENT TYPE:
8 ORIGINAL SOURCE:
9 FEATURE:
10 NAME/KEY: Coding Sequence
11 LOCATION: 115...702
12 OTHER INFORMATION: apoaeguorin-encoding gene
13 PUBLICATION INFORMATION:
14 AUTHORS: Inouye et al.
15 JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
16 VOLUME: 82
17 PAGES: 3154-3158
18 DATE: (1985)
19 DOCUMENT NUMBER: PATENT NO.: 5,093,240
20 US-08-757-046A-5
21
22 Query Match 11.9%; Score 38.8; DB 2; Length 938;
23 Best Local Similarity 58.8%; Pred.No.0.16;
24 Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;
25
26 QY 212 GTGATAGTCTTTTCCTTTGGCAAACTCTACTTAATCCATGGCTTTCTGTACAG 271
27 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
28 Db 812 GTGGTATTTTCTTAATTAGACAGATTAAATCGATGATTTAGTCTTTTAAICAA 871
29
30 QY 272 TAGATTTTCCAAATGTAATAAAGTTTATATATAGTAAAAAAGAAAAA 325
31 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
32 Db 872 CAGACTTACAAATCGAAAAAGTAAAAAAGAAAAAAGAAAAAAGAAAAA 925
33
34 RESULT 8
35 US-09-447-208-5
36 Sequence 5, Application US/09447208
37 Patent No. 6113886
38 GENERAL INFORMATION:
39 APPLICANT: Bryan, Bruce
40 TITLE OF INVENTION: BIOLUMINESCENT ARTICLES OF MANUFACTURE
41 NUMBER OF SEQUENCES: 14
42 CORRESPONDENCE ADDRESS:
43 ADDRESSEE: Heller Ehrman White & McCulliffe
44 STREET: 4250 Executive Square, 7th Floor
45 CITY: La Jolla
46 STATE: CA
47 COUNTRY: USA
48 ZIP: 92037
49 COMPUTER READABLE FORM:
50 MEDIUM TYPE: Diskette
51 COMPUTER: IBM Compatible
52 OPERATING SYSTEM: DOS
53 SOFTWARE: FastSeq Version 1.5
54 CURRENT APPLICATION DATA:
55 APPLICATION NUMBER: US/09/447,208
56 FILING DATE:
57 CLASSIFICATION:
58 PRIOR APPLICATION DATA:
59 APPLICATION NUMBER: 0909/135,988
60 FILING DATE: 08-17-98
61 CLASSIFICATION:
62 PRIOR APPLICATION DATA:
63 APPLICATION NUMBER: 08/757,046
64 FILING DATE: 11-25-95
65 CLASSIFICATION:
66 PRIOR APPLICATION DATA:
67 APPLICATION NUMBER: 08/597,274
68 FILING DATE: 02-06-95
69 ATTORNEY/AGENT INFORMATION:
70 NAME: Seidman, Stephanie L
71 REGISTRATION NUMBER: 33,779
72 REFERENCE/DOCKET NUMBER: 24727-105C
73

```

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-450-8400  
TELEFAX: 619-450-8499  
TELEX:  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 958 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
FEATURE:  
NAME/KEY: Coding Sequence  
LOCATION: 115...702  
OTHER INFORMATION: apoaequorin-encoding gene  
PUBLICATION INFORMATION: PATENT NO.: 5,093,240  
AUTHORS: Inouye et al.  
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.  
VOLUME: 82  
PAGES: 3154-3158  
DATE: (1985)  
US-09-447-208-5

Query Match 11.9%; Score 38.8; DB 3; Length 958;  
Best Local Similarity 58.8%; Pred. No. 0.16;  
Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 212 GGTATAGCTCTTGGCTTTGGCAAACTCTACTTAATCCATGGGTTTCTCTGTACAG 271  
DB 812 GTGTGATTTTGTATTTAGACAGATTAATCGATGATTTAGTTGTTTTTAATCAA 871  
QY 272 TAGATTTCGAATGTAATAACTTTATATTAAGTAATAAAAAAAAAAAAAA 325  
DB 872 CAGACTTCAAAATCGAAAAAGTAATAAAAAAAAAAAAAA 925

RESULT 9  
US-09-135-988-5  
Sequence 5, Application US/09135988  
Patent No. 6152358  
GENERAL INFORMATION:  
APPLICANT: Bryan, Bruce  
TITLE OF INVENTION: BIOJUMINESCENT ARTICLES OF MANUFACTURE  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Heller Ehtman White & McMillittie  
STREET: 4250 Executive Square, 7th Floor  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/135,988  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/757,045  
FILING DATE: 11-25-96  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/597,274  
FILING DATE: 02-06-96  
ATTORNEY/AGENT INFORMATION:

NAME: Seidman, Stephanie L  
REGISTRATION NUMBER: 33,779  
REFERENCE/DOCKET NUMBER: 24727-105C  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-450-8400  
TELEFAX: 619-450-8499  
TELEX:  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 958 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
FEATURE:  
NAME/KEY: Coding Sequence  
LOCATION: 115...702  
OTHER INFORMATION: apoaequorin-encoding gene  
PUBLICATION INFORMATION: PATENT NO.: 5,093,240  
AUTHORS: Inouye et al.  
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.  
VOLUME: 82  
PAGES: 3154-3158  
DATE: (1985)  
US-09-135-988-5

Query Match 11.9%; Score 38.8; DB 3; Length 958;  
Best Local Similarity 58.8%; Pred. No. 0.16;  
Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 212 GGTATAGCTCTTGGCTTTGGCAAACTCTACTTAATCCATGGGTTTCTCTGTACAG 271  
DB 812 GTGTGATTTTGTATTTAGACAGATTAATCGATGATTTAGTTGTTTTTAATCAA 871  
QY 272 TAGATTTCGAATGTAATAACTTTATATTAAGTAATAAAAAAAAAAAAAA 325  
DB 872 CAGACTTCAAAATCGAAAAAGTAATAAAAAAAAAAAAAA 925

RESULT 10  
US-09-277-716-5  
Sequence 5, Application US/09277716A  
Patent No. 6232107  
GENERAL INFORMATION:  
APPLICANT: Bryan, Bruce  
APPLICANT: Szent-Gyorgyi, Christopher  
TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE  
CURRENT APPLICATION NUMBER: US/09/277,716A  
CURRENT FILING DATE: 1999-03-26  
EARLIER APPLICATION NUMBER: 60/102,939  
EARLIER FILING DATE: 1998-10-01  
EARLIER APPLICATION NUMBER: 60/089,367  
EARLIER FILING DATE: 1998-06-15  
EARLIER APPLICATION NUMBER: 60/079,624  
EARLIER FILING DATE: 1998-03-27  
NUMBER OF SEQ ID NOS: 32  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 958  
TYPE: DNA  
ORGANISM: Aequorea (luminescent jellyfish)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (115)..(702)  
FEATURE:  
OTHER INFORMATION: Apoaequorin-encoding gene  
PUBLICATION INFORMATION:

PATENT DOCUMENT NUMBER: 5,093,240  
PATENT FILING DATE: 1987-10-08  
PUBLICATION DATE: 1992-03-03  
PUBLICATION INFORMATION:  
AUTHORS: Inouye, S.  
TITLE: Cloning and sequence analysis of cDNA for the luminescent protein aequorin  
JOURNAL: Proc. Natl. Acad. Sci. USA  
VOLUME: 82(10)  
PAGES: 3154-3158  
DATE: 1985-05  
US-09-277-716-5

Query Match 11.9%; Score 38.8; DB 4; Length 958;  
Best Local Similarity 58.8%; Pred. No. 0.16;  
Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 212 GGTGATAGCTTTTTCGTTTGGCAAACTCTACTTAATCCAGGGTTTCTCTGTACAG 271  
DB 812 GGTGATAGTTTGTAAATTCAGACAGATTAATCGAATGATGTTGTTTAAATCAA 871  
QY 272 TAGATTTCCAAATGTATTAAGTTAATATTAAGTAAAAAAGTAAAAA 325  
DB 872 CAGAACTTACAAATCGAAGAAAGTAAAAAAGTAAAAAAGTAAAAA 925

RESULT 11  
US-08-597-274A-5  
Sequence 5, Application US/08597274A  
Patent No. 6247995

GENERAL INFORMATION:  
APPLICANT: Bryan, Bruce  
TITLE OF INVENTION: BIOLUMINESCENT NOVELTY ITEMS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Brown, Martin, Haller & McClain  
STREET: 1660 Union Street  
CITY: San Diego  
STATE: CA  
COUNTRY: USA  
ZIP: 92101-2926

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/597,274A  
FILING DATE: 02/06/96  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:  
NAME: Seidman, Stephanie L.  
REGISTRATION NUMBER: 33,779  
REFERENCE/DOCKET NUMBER: 6680-105  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-238-0999  
TELEFAX: 619-238-0062  
TELEX:

INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 958 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
MOLECULE TYPE: linear  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
FEATURE:  
NAME/KEY: Coding Sequence

LOCATION: 115...702  
OTHER INFORMATION: apoaequorin-encoding gene  
PUBLICATION INFORMATION:  
DOCUMENT NUMBER: 5,093,240  
AUTHORS: Inouye et al.  
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.  
VOLUME: 82  
PAGES: 3154-3158  
DATE: (1985)  
US-08-597-274A-5

Query Match 11.9%; Score 38.8; DB 4; Length 958;  
Best Local Similarity 58.8%; Pred. No. 0.16;  
Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 212 GGTGATAGCTTTTTCGTTTGGCAAACTCTACTTAATCCAGGGTTTCTCTGTACAG 271  
DB 812 GGTGATAGTTTGTAAATTCAGACAGATTAATCGAATGATGTTGTTTAAATCAA 871  
QY 272 TAGATTTCCAAATGTATTAAGTTAATATTAAGTAAAAAAGTAAAAA 325  
DB 872 CAGAACTTACAAATCGAAGAAAGTAAAAAAGTAAAAAAGTAAAAA 925

RESULT 12  
US-08-908-909-5  
Sequence 5, Application US/08908909  
Patent No. 6416960

GENERAL INFORMATION:  
APPLICANT: Bryan, Bruce  
TITLE OF INVENTION: DETECTION AND VISUALIZATION OF  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Brown, Martin, Haller & McClain  
STREET: 1660 Union Street  
CITY: San Diego  
STATE: CA  
COUNTRY: USA  
ZIP: 92101-2926

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/908,909  
FILING DATE: 08-AUG-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/023,374  
FILING DATE: 08-AUG-1996  
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
NAME: Seidman, Stephanie L.  
REGISTRATION NUMBER: 33,779  
REFERENCE/DOCKET NUMBER: 6680-108  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-238-0999  
TELEFAX: 619-238-0062  
TELEX:

INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 958 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
MOLECULE TYPE: linear  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
FEATURE:

JOURNAL: Proc. Natl. Acad. Sci. USA

NAME/NEI: COUN  
LOCATION: 115

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OTHER INFORMATION: apoaequorin-encoding gene
PUBLICATION INFORMATION:
AUTHORS: Inouye et al.
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
VOLUME: 82
PAGES: 3154-3158
DATE: (1985)
DOCUMENT NUMBER: 5,093,240
US-08-990-103-5

Query Match
Best Local Similarity 11.8%; Score 38.4; DB 4; Length 958;
Matches 67; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 212 GTGATAGCTTTTGGCAACCTCTACTTAATCCATGGGTTTCTCTGACAG 271
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Db 812 GTGTGATTTTGTATATGACACGATTAATACGATGCTTGTGTTTAAACCA 871

QY 272 TAGATTTCCAAATGTAATAACTTTAATATAAGTAACCAAAAAAAAAA 325
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 872 CAGAACTTCAATCGAAATGTAACCAAAAAAAAAAAAAAAAAAAAAA 925

RESULT 15
US-08-446-855A-1
Sequence 1, Application US/08446855A
Patent No. 5849573
GENERAL INFORMATION:
APPLICANT: Stewart, Thomas S
APPLICANT: Flores, Maria V
APPLICANT: O'Sullivan, William J
TITLE OF INVENTION: Nucleotide sequence encoding carbamoyl
TITLE OF INVENTION: phosphatase synthetase II
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESS: Nixon & Vanderhye PC
STREET: 1100 No. 5849573th Glebe Road, 8th Floor
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/446,855A
FILING DATE: 06-Jul-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mitchard, Leonard C
REGISTRATION NUMBER: 29,009
REFERENCE/DOCKET NUMBER: 47-80
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4000
TELEFAX: 703-816-4100
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8920 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: genomic
US-08-446-855A-1

Query Match
Best Local Similarity 11.8%; Score 38.4; DB 2; Length 8920;
Matches 72; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

QY 198 AATATTTCCAAAGAGTATGCTTTTGGCAAACTCTACTTAATCCAAATG 257
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Db 8631 AATATTTGTAATATACAAATTTATTTATTCACATCATGTATTAACCAATGCTT 8690

QY 258 TTTTCTGTCAGATGATTTTCCAAATGTAATACTTTAATATAAGTAACCA 317
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 8691 TTTTCAATTTACAAATATTTTATATTTTATATAATTTTATATATAAAAAA 8750

QY 318 AAAAAAAA 325
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Db 8751 AATATATA 8758

RESULT 16
US-09-150-741-1
Sequence 1, Application US/09150741
Patent No. 6183996
GENERAL INFORMATION:
APPLICANT: Stewart et al.
TITLE OF INVENTION: Nucleotide Sequence Encoding Carbamoyl Phosphate
TITLE OF INVENTION: Synthetase II
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/09/150,741
CURRENT FILING DATE: 1998-09-10
EARLIER APPLICATION NUMBER: P6380
EARLIER FILING DATE: 1992-12-16
EARLIER APPLICATION NUMBER: A093/00617
EARLIER FILING DATE: 1993-12-02
EARLIER APPLICATION NUMBER: 08/446,855
EARLIER FILING DATE: 1995-07-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 8920
TYPE: DNA
ORGANISM: Plasmodium falciparum
US-09-150-741-1

Query Match
Best Local Similarity 11.8%; Score 38.4; DB 4; Length 8920;
Matches 72; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

QY 198 AATATTTCCAAAGAGTATGCTTTTGGCAAACTCTACTTAATCCAAATG 257
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Db 8631 AATATTTGTAATATACAAATTTATTTATTCACATCATGTATTAACCAATGCTT 8690

QY 258 TTTTCTGTCAGATGATTTTCCAAATGTAATACTTTAATATAAGTAACCA 317
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 8691 TTTTCAATTTACAAATATTTTATATTTTAAATTTAATTAATAAAAAAATAAA 8750

QY 318 AAAAAAAA 325
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 8751 AATATATA 8758

RESULT 17
US-09-057-762-1
Sequence 1, Application US/09057762
Patent No. 5879909
GENERAL INFORMATION:
APPLICANT: PERL, ANDRAS
TITLE OF INVENTION: HUMAN TRANSGLUTAMINASE: AN AUTOANTIGEN WITH
TITLE OF INVENTION: A FUNCTION IN METABOLISM
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESS: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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QY 190 AATCAGATATTTTCCAAAGAGTATAGTCTTTTGGCCAAACTCTACTTAATC 249  
| | | | |  
DB 205 ACTGATGATTTTGGAAATGCTGAAAGACTTGTCTTTTATATAAGTTTCTTAAG 146  
| | | | |  
QY 250 CAATGGGTTTTCTCTGACAGTACATTTTCCAAATGTATTAACCTTTATATAAGTAA 309  
| | | | |  
DB 145 CATGGGCTTTTCAGCCAAAGAAATGTTTGAATAATGTATTCATCAATTTATAT 86  
| | | | |  
QY 310 AAAAAAAAAA 321  
| | | | |  
DB 85 CAAAACATGAA 74  
| | | | |  
RESULT 20  
US-08-436-074-52/c  
; Sequence 52, Application US/08436074  
; Patent No. 5753438  
; GENERAL INFORMATION:  
; APPLICANT: DRAYNA, DENNIS T.  
; APPLICANT: FEDER, JOHN N.  
; APPLICANT: GNIKE, ANDREAS  
; APPLICANT: KIMMEL, BRUCE E.  
; APPLICANT: THOMAS, WINSTON J.  
; APPLICANT: WOLFE, ROGER K.  
; TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY  
; TITLE OF INVENTION: HEMOCHROMATOSIS  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORRISON & FOERSTER  
; STREET: 2000 Pennsylvania Ave. N.W., Suite 5500  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20006-1888  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/436,074  
; FILING DATE: 08-MAY-1995  
; CLASSIFICATION: 436  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MURASHIGE, KATE H.  
; REGISTRATION NUMBER: 29,959  
; REFERENCE/DOCKET NUMBER: 9053-0001.00  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 887-1500  
; TELEFAX: (202) 887-0763  
; TELEX: 90-4030  
; INFORMATION FOR SEQ ID NO: 52:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1260 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-436-074-52  
Query Match 11.6%; Score 37.6; DB 1; Length 1260;  
Best Local Similarity 55.3%; Pred. No. 0.38;  
Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

DB 85 CAAAACATGAA 74  
| | | | |  
RESULT 21  
PCT-US96-06352-79/c  
; Sequence 79, Application PC/TUS9606352  
; GENERAL INFORMATION:  
; APPLICANT: DRAYNA, DENNIS T.  
; APPLICANT: FEDER, JOHN N.  
; APPLICANT: GNIKE, ANDREAS  
; APPLICANT: KIMMEL, BRUCE E.  
; APPLICANT: THOMAS, WINSTON J.  
; APPLICANT: WOLFE, ROGER K.  
; TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY  
; TITLE OF INVENTION: HEMOCHROMATOSIS  
; NUMBER OF SEQUENCES: 124  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORRISON & FOERSTER  
; STREET: 2000 Pennsylvania Ave. N.W., Suite 5500  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20006-1888  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US96/06352  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/599,252  
; FILING DATE: 09-FEB-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MURASHIGE, KATE H.  
; REGISTRATION NUMBER: 29,959  
; REFERENCE/DOCKET NUMBER: 9053-0001.21  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 887-1500  
; TELEFAX: (202) 887-0763  
; TELEX: 90-4030  
; INFORMATION FOR SEQ ID NO: 79:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1260 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; PCT-US96-06352-79  
Query Match 11.6%; Score 37.6; DB 5; Length 1260;  
Best Local Similarity 55.3%; Pred. No. 0.38;  
Matches 73; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 190 AATCAGATATTTTCCAAAGAGTATAGTCTTTTGGCCAAACTCTACTTAATC 249  
| | | | |  
DB 205 ACTGATGATTTTGGAAATGCTGAAAGACTTGTCTTTTATATAAGTTTCTTAAG 146  
| | | | |  
QY 250 CAATGGGTTTTCTCTGACAGTACATTTTCCAAATGTATTAACCTTTATATAAGTAA 309  
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DB 145 CATGGGCTTTTCAGCCAAAGAAATGTTTGAATAATGTATTCATCAATTTATAT 86  
| | | | |  
QY 310 AAAAAAAAAA 321  
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DB 85 CAAAACATGAA 74  
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RESULT 22  
PCT-US96-06583-79/c  
; Sequence 79, Application PC/TUS9606583  
; GENERAL INFORMATION:



```

1 ADDRESS: Kell & Weinkauff
2 STREET: 1101 Connecticut Avenue
3 CITY: Washington
4 STATE: D.C.
5 COUNTRY: USA
6 ZIP: 20036
7
8 COMPUTER READABLE FORM:
9 MEDIUM TYPE: Diskette, 5.25 inch, 360 Kb storage
10 COMPUTER: IBM AT-compatible, 80286 processor
11 OPERATING SYSTEM: MS-DOS version 5.0
12 SOFTWARE: Wordperfect version 5.1
13
14 CURRENT APPLICATION DATA:
15 APPLICATION NUMBER: US/08/684,862
16 FILING DATE:
17 CLASSIFICATION: 435
18 PRIOR APPLICATION DATA:
19 APPLICATION NUMBER: US/08/361,705
20 FILING DATE:
21 PRIOR APPLICATION DATA:
22 APPLICATION NUMBER: 07/956,040
23 FILING DATE: 30-DEC-1992
24 APPLICATION NUMBER: PCT/EP91/01361
25 FILING DATE: 19-JUL-1991
26
27 INFORMATION FOR SEQ ID NO: 10:
28 SEQUENCE CHARACTERISTICS:
29 LENGTH: 988 base pairs
30 TYPE: nucleic acid
31 STRANDEDNESS: single
32 TOPOLOGY: linear
33 MOLECULE TYPE: cDNA to mRNA
34 ORIGINAL SOURCE:
35 ORGANISM: Agkistrodon rhodostoma
36 FEATURE:
37 LOCATION: 197 to 904
38 OTHER INFORMATION: the coding region shown in (2)(x)(B)
39 OTHER INFORMATION: codes for the protein of SEQ ID NO: 5
40
41 US-08-684-862-10
42
43 Query Match 11.4%; Score 37; DB 1; Length 988;
44 Best Local Similarity 71.0%; Pred. No. 0.51;
45 Matches 49; Conservative 0; Mismatches 20; Indels 0; Gaps 0
46
47 QY 257 TTTTCTCTGTACAGTAGATTTCCTCAATGTAATAACTTAAATATAAGTAAAAA 316
48 .||||| 1 11 11 ||||| 1 111 111 1 |||||
49 Db 913 TTTTATTTCCTCAAGAGAGATTTCCTCAAGAGATTAAACTAATATATGTGTAAAAA 972
50
51 QY 317 AAAAAAAA 325
52 |||||||
53 Db 973 AAAAAAAA 981
54
55 RESULT 24
56 US-09-040-984-75
57 Sequence 75, Application US/09040984
58 Patent No. 6210883
59 GENERAL INFORMATION:
60 APPLICANT: Reed, Steven G.
61 APPLICANT: Wang, TongTong
62 TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS
63 TITLE OF INVENTION: OF LUNG CANCER
64 NUMBER OF SEQUENCES: 86
65 CORRESPONDENCE ADDRESS:
66 ADDRESSEE: SEED and BERRY LLP
67 STREET: 6300 Columbia Center, 701 Fifth Avenue
68 CITY: Seattle
69 STATE: WA
70 COUNTRY: USA
71 ZIP: 98104
72 COMPUTER READABLE FORM:
73 MEDIUM TYPE: Diskette
74 COMPUTER: IBM Compatible
75 OPERATING SYSTEM: DOS
76 SOFTWARE: FastSeq for Windows version 2.0

```



Query Match Similarity	11.18;	Score	36.2;	DB	4;	Length	4257;
Best Local Similarity	56.88;	Pred	No.1.4;				
Matches	88;	Conservative	0;	Mismatches	63;	Indels	4;
				Gaps			1
QY	36	GACCAAGCCCGCTCTGCGTGGCCGCCCTGCGAGGGCGTGCCTTCCTCTGGAAATTGAC	95				
Db	526	GACCAAGCCCGCGGGGACGAGAGAGACCCCGCGGCGGACACGAGCGCGGCGAGAGAGCC	585				
QY	96	GAGG----GGTGTCTGTGGCAGACGTGAGTCTAGAGAGCTCCATCCAGAGCGAGGTTTC	151				
Db	586	GGGAGACCGCGTCTCGCGCGCGAGACGTGCGTCTCTCTGCGCTTCATGCTAGAGAGAGCCGTC	645				
QY	152	CGTTAGTCTCTGTGGGCCCGACCCCTGGGCGCTTGCGC	186				

RESULT 30  
 US-09-187-049-1  
 : Sequence 1, Application US/09187049  
 : Patent No. 6117666  
 :  
 : GENERAL INFORMATION:  
 : APPLICANT: Lampka, Gayle K.  
 : TITLE OF INVENTION: PLASTID PROTEOLYTIC PROCESSING ENZYME  
 : TITLE OF INVENTION: THAT CLEAVES PRECURSOR POLYPEPTIDES  
 : NUMBER OF SEQUENCES: 13  
 :  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESS: BRINKS HOFER GILSON & LIONE  
 : STREET: P.O. Box 10395

1 CITY: Chicago  
2 STATE: IL  
3 COUNTRY: USA  
4 ZIP: 60610  
5  
6 COMPUTER READABLE FORM:  
7 MEDIUM TYPE: floppy disk  
8 COMPUTER: IBM PC compatible  
9 OPERATING SYSTEM: PC-DOS/MS-DOS  
10 SOFTWARE: PatentIn Release #1.0, Version #1.25  
11  
12 CURRENT APPLICATION DATA:  
13 APPLICATION NUMBER: US/09/187,049  
14  
15 FILING DATE:  
16 CLASSIFICATION:  
17 PRIOR APPLICATION DATA:  
18 APPLICATION NUMBER: 08/695,177  
19  
20 FILING DATE:  
21 ATTORNEY/AGENT INFORMATION:  
22 NAME: Martin, Alice O.  
23 REGISTRATION NUMBER: 35,601  
24 REFERENCE/DOCKET NUMBER: 7814/16  
25 TELECOMMUNICATION INFORMATION:  
26 TELEPHONE: 312 321-4200  
27  
28 TELEFAX: 312 321-4299  
29  
30 INFORMATION FOR SEQ ID NO: 1:  
31 SEQUENCE CHARACTERISTICS:  
32 LENGTH: 4337 base pairs  
33 TYPE: nucleic acid  
34 STRANDEDNESS: single  
35 TOPOLOGY: unknown  
36  
37 MOLECULE TYPE: CDNA  
38  
39 US-09-187-049-1

[illegible]

Search completed: May 27, 2003, 08:04:32  
Job time : 25.6177 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: May 27, 2003, 07:58:52 ; Search time 67.5501 Seconds

(without alignments)  
6353.067 Million cell updates/sec

Title: US-09-825-682a-57

Perfect score: 325  
Sequence: 1 aaagagggcgcagcagggcct.....gtataaaaaaaaaaaaaa 325

Scoring table: IDENTITY NDC

Gapop 10.0 , Gapext 1.0

Searched: 828747 seqs, 66023138 residues

Total number of hits satisfying chosen parameters: 1657494

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

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Published Applications.NA:\*  
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2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*  
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7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*  
8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*  
9: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*  
10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*  
11: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*  
12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*  
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14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	291.4	89.7	1763	10 US-09-925-302-8	Sequence 8, Appl1
2	285.8	87.9	4797	10 US-09-735-705-134	Sequence 134, App
3	285.8	87.9	4797	10 US-09-850-716A-134	Sequence 134, App
4	285.8	87.9	4797	10 US-09-880-107-3939	Sequence 3939, App
5	285.8	87.9	4797	10 US-09-897-778-134	Sequence 134, App
6	212	65.2	408	9 US-09-918-995-8387	Sequence 8387, App
7	144.4	44.4	492	9 US-09-736-457-1041	Sequence 1041, App
8	144.4	44.4	492	9 US-09-902-941-1041	Sequence 1041, App
9	144.4	44.4	492	9 US-09-849-626-1041	Sequence 1041, App
10	144.4	44.4	492	9 US-10-017-754-1041	Sequence 1041, App
11	120.4	37.0	253	9 US-10-079-623-76	Sequence 76, Appl1
12	44.6	13.7	748	10 US-09-910-943-361	Sequence 361, App
13	42.8	13.2	617	10 US-09-764-877-121	Sequence 121, App
14	42.6	13.1	330	9 US-09-918-995-24997	Sequence 24997, A
15	41.8	12.9	1820	9 US-09-813-153-35	Sequence 35, Appl1
16	41.6	12.8	375	10 US-09-960-352-13618	Sequence 13618, A
17	41.2	12.7	1797	9 US-09-974-879-115	Sequence 115, App
18	41.2	12.7	1797	9 US-09-305-736-116	Sequence 116, App
19	40.6	12.5	400	9 US-09-918-995-36308	Sequence 36308, A

C 20	39.8	12.2	486	9 US-10-060-036-2299	Sequence 2299, Ap
C 21	39.8	12.2	653158	9 US-09-771-208-20	Sequence 20, Appl1
C 22	39.6	12.2	277	10 US-09-960-352-12673	Sequence 12673, A
C 23	39.4	12.1	241	10 US-09-960-352-7904	Sequence 7904, Ap
C 24	38.8	11.9	289	10 US-09-880-107-1117	Sequence 1117, Ap
C 25	38.8	11.9	462	9 US-09-918-995-13712	Sequence 13712, A
C 26	38.8	11.9	958	9 US-10-126-139-5	Sequence 5, Appl1
C 27	38.8	11.9	958	9 US-10-126-798-5	Sequence 5, Appl1
C 28	38.8	11.9	958	9 US-09-808-898-5	Sequence 5, Appl1
C 29	38.8	11.9	958	10 US-09-803-211-5	Sequence 5, Appl1
C 30	38.6	11.9	958	10 US-09-746-485A-5	Sequence 5, Appl1
C 31	38.6	11.9	215	10 US-09-960-352-5093	Sequence 5093, Ap
C 32	38.6	11.9	415	9 US-10-060-036-2438	Sequence 2438, Ap
C 33	38.6	11.9	2455	10 US-09-918-909-25	Sequence 25, Appl1
C 34	38.6	11.9	2509	10 US-09-925-301-540	Sequence 540, App
C 35	38.4	11.8	325	9 US-10-091-483-30	Sequence 30, Appl1
C 36	38.4	11.8	325	10 US-09-764-846-30	Sequence 30, Appl1
C 37	38.4	11.8	621	9 US-10-091-483-105	Sequence 105, App
C 38	38.4	11.8	621	10 US-09-764-846-105	Sequence 105, App
C 39	38.4	11.8	1992	9 US-10-036-542-18	Sequence 18, Appl1
C 40	38.4	11.8	2000	9 US-09-938-842A-3307	Sequence 3307, Ap
C 41	38.2	11.8	1319	10 US-09-960-347-179	Sequence 179, App
C 42	38	11.7	819	9 US-10-202-193-236	Sequence 236, App
C 43	38	11.7	3716	9 US-09-978-295A-210	Sequence 210, App
C 44	38	11.7	3716	9 US-09-978-697-210	Sequence 210, App
C 45	38	11.7	3716	9 US-09-978-192A-210	Sequence 210, App
C 46	38	11.7	3716	9 US-09-978-564A-210	Sequence 210, App
C 47	38	11.7	3716	9 US-09-978-189-210	Sequence 210, App
C 48	38	11.7	3716	9 US-09-978-608A-210	Sequence 210, App
C 49	38	11.7	3716	9 US-09-978-191A-210	Sequence 210, App
C 50	38	11.7	3716	9 US-09-978-403A-210	Sequence 210, App
C 51	38	11.7	3716	9 US-09-978-564A-210	Sequence 210, App
C 52	38	11.7	3716	9 US-09-978-564A-210	Sequence 210, App
C 53	38	11.7	3716	9 US-10-017-081A-210	Sequence 210, App
C 54	38	11.7	3716	9 US-09-978-824-210	Sequence 210, App
C 55	38	11.7	3716	9 US-09-978-824-210	Sequence 210, App
C 56	38	11.7	3716	9 US-09-981-915A-210	Sequence 210, App
C 57	38	11.7	3716	9 US-09-999-833A-210	Sequence 210, App
C 58	38	11.7	3716	9 US-10-167-749-210	Sequence 210, App
C 59	38	11.7	3716	9 US-09-918-585A-210	Sequence 210, App
C 60	38	11.7	3716	9 US-09-978-423A-210	Sequence 210, App
C 61	38	11.7	3716	9 US-10-013-921A-210	Sequence 210, App
C 62	38	11.7	3716	9 US-09-978-193A-210	Sequence 210, App
C 63	38	11.7	3716	9 US-10-013-929A-210	Sequence 210, App
C 64	38	11.7	3716	9 US-10-016-177A-210	Sequence 210, App
C 65	38	11.7	3716	9 US-09-999-830A-210	Sequence 210, App
C 66	38	11.7	3716	9 US-09-978-757A-210	Sequence 210, App
C 67	38	11.7	3717	9 US-10-163-866-13	Sequence 13, Appl1
C 68	37.8	11.6	401	10 US-09-960-352-10503	Sequence 10503, A
C 69	37.8	11.6	1300	10 US-09-822-849A-3	Sequence 3, Appl1
C 70	37.6	11.6	214	9 US-10-060-036-2777	Sequence 2777, Ap
C 71	37.6	11.6	291	10 US-09-960-352-1243	Sequence 1243, Ap
C 72	37.4	11.5	368	10 US-09-834-975-47	Sequence 47, Appl1
C 73	37.4	11.5	102	10 US-09-998-598-1903	Sequence 1903, App
C 74	37.4	11.5	444	10 US-09-960-352-1281	Sequence 1281, Ap
C 75	37.4	11.5	1409	10 US-09-925-301-176	Sequence 176, App
C 76	37.4	11.5	1422	9 US-09-798-889-24	Sequence 24, Appl1
C 77	37.4	11.5	2660	9 US-09-925-299-80	Sequence 80, Appl1
C 78	37.4	11.5	2660	10 US-09-925-299-80	Sequence 80, Appl1
C 79	37.4	11.5	2660	10 US-09-925-299-80	Sequence 80, Appl1
C 80	37.2	11.4	2103	10 US-09-883-060-1	Sequence 36, Appl1
C 81	37.2	11.4	469	10 US-09-954-456-248	Sequence 248, App
C 82	37	11.4	469	10 US-09-954-456-476	Sequence 476, App
C 83	37	11.4	3110	10 US-09-764-877-9912	Sequence 3912, Ap
C 84	37	11.4	3110	10 US-09-764-877-9914	Sequence 3914, Ap
C 85	37	11.4	8066	9 US-09-764-891-9956	Sequence 9856, Ap
C 86	36.8	11.3	402	9 US-10-001-887-23	Sequence 23, Appl1
C 87	36.6	11.3	312	10 US-09-960-352-8414	Sequence 8414, Ap
C 88	36.6	11.3	380	10 US-09-960-352-9335	Sequence 9335, Ap
C 89	36.6	11.3	402	9 US-09-991-936-1222	Sequence 1222, App
C 90	36.6	11.3	2900	9 US-09-470-276-1	Sequence 1, Appl1
C 91	36.6	11.3	3084	10 US-09-764-864-99	Sequence 89, Appl1
C 92	36.6	11.3	3490	10 US-09-925-301-44	Sequence 44, Appl1

93 36.4 11.2 579 10 US-09-735-705-75 Sequence 75, Appl  
94 36.4 11.2 579 10 US-09-850-716A-75 Sequence 75, Appl  
95 36.4 11.2 579 10 US-09-897-778-75 Sequence 75, Appl  
96 36.4 11.2 3098 10 US-09-925-300-693 Sequence 68, Appl  
97 36.4 11.2 3299 10 US-09-800-729-68 Sequence 15, Appl  
98 36.2 11.1 838 9 US-10-213-880-15 Sequence 77, Appl  
99 36.2 11.1 3957 10 US-09-764-853-77 Sequence 1, Appl  
100 36.2 11.1 4257 9 US-09-825-288A-1

## ALIGNMENTS

## RESULT 1

US-09-925-302-8  
Sequence 8, Application US/09925302  
Patent No. US20020044941A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
FILE REFERENCE: PA104  
CURRENT APPLICATION NUMBER: US/09/925,302  
CURRENT FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: PCT/US00/05918  
PRIOR FILING DATE: 2000-03-08  
PRIOR APPLICATION NUMBER: 60/124,270  
PRIOR FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 896  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 8  
LENGTH: 1763  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-925-302-8

## Query Match

Best Local Similarity 89.7%; Score 291.4; DB 10; Length 1763;  
Matches 303; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 4 GAGGGGGGAGGGGGCTGAGATCTCTCCAGACAGCCCGCTCTGGGCGCG 63  
DB 752 GAGGGGGGAGGGGGCTGAGATCTCTCCAGACAGCCCGCTCTGGGCGCG 811  
QY 64 TCTCCAGGGGGCTCTCTCTCTGAAATTCAGAGGGTGTCTTGGGAGAGCTGCT 123  
DB 812 TCTCCAGGGGGCTCTCTCTCTGAAATTCAGAGGGTGTCTTGGGAGAGCTGCT 871  
QY 124 GAGCGCTCCATCCAGAGCCAGGTCCTCTAGCTCCGCGCCAGCCCTGGGCGCTG 183  
DB 872 GAGCGCTCCATCCAGAGCCAGGTCCTCTAGCTCCGCTGCGCCAGCCCTGGGCGCTG 930  
QY 184 GGCTGGAAATCAGGAATATTTTCCAAAGAGTGAATAGCTTTTGGCAAAACTCTAC 243  
DB 931 GGCTGGAAATCAGGAATATTTTCCAAAGAGTGAATAGCTTTTGGCAAAACTCTAC 990  
QY 244 TTAAATCAATGGGTTTCTCTGTACAGTAGATTTTCCAAATGAATAAATTAAATATA 303  
DB 991 TTAAATCAATGGGTTTCTCTGTACAGTAGATTTTCCAAATGAATAAATTAAATATA 1050  
QY 304 AAGTA 308  
DB 1051 AAGTA 1055

## RESULT 2

US-09-735-705-134  
Sequence 134, Application US/09735705  
Patent No. US20020052329A1  
GENERAL INFORMATION:  
APPLICANT: Wang, Tonglong  
APPLICANT: Fan, Liqun  
APPLICANT: Kalos, Michael D.  
APPLICANT: Bangur, Chaitanya S.

APPLICANT: Hosken, Nancy  
APPLICANT: Fanger, Gary R.  
APPLICANT: Li, Samuel X.  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Henderson, Robert A.  
APPLICANT: McNeill, Patricia D.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
FILE REFERENCE: 210121.455C14  
CURRENT APPLICATION NUMBER: US/09/735,705  
CURRENT FILING DATE: 2000-12-12  
NUMBER OF SEQ ID NOS: 419  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 134  
LENGTH: 4797  
TYPE: DNA  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: (1)...(4797)  
OTHER INFORMATION: n = A,T,C or G  
US-09-735-705-134

Query Match 87.9%; Score 285.8; DB 10; Length 4797;  
Best Local Similarity 96.1%; Pred. No. 6.3e-67;  
Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 4 GAGGGGGGAGGGGGCTGAGATCTCTCCAGACAGCCCGCTCTGGGCGCG 63  
DB 3765 GAGGGGGGAGGGGGCTGAGATCTCTCCAGACAGCCCGCTCTGGGCGCG 3824  
QY 64 TCTCCAGGGGGCTCTCTCTCTGAAATTCAGAGGGTGTCTTGGGAGAGCTGCT 123  
DB 3825 TCTCCAGGGGGCTCTCTCTCTGAAATTCAGAGGGTGTCTTGGGAGAGCTGCT 3884  
QY 124 GAGCGCTCCATCCAGAGCCAGGTCCTCTAGCTCCGTCGTCGCCACCCCTGGGCGCTG 183  
DB 3885 GAGCGCTCCATCCAGAGCCAGGTCCTCTAGCTCCGTCGTCGCCACCCCTGGGCGCTG 3944  
QY 184 GGCTGGAAATCAGGAATATTTTCCAAAGAGTGAATAGCTTTTGGCAAAACTCTAC 243  
DB 3945 GGCTGGAAATCAGGAATATTTTCCAAAGAGTGAATAGCTTTTGGCAAAACTCTAC 4004  
QY 244 TTAAATCAATGGGTTTCTCTGTACAGTAGATTTTCCAAATGAATAAATTAAATATA 303  
DB 4005 TTAAATCAATGGGTTTCTCTGTACAGTAGATTTTCCAAATGAATAAATTAAATATA 4064  
QY 304 AAGTA 308  
DB 4065 AAGTA 4069

## RESULT 3

US-09-850-716A-134  
Sequence 134, Application US/09850716A  
Patent No. US2002015139A1  
GENERAL INFORMATION:  
APPLICANT: Kalos, Michael D.  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Retler, Marc W.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
FILE REFERENCE: 210121.455C15  
CURRENT APPLICATION NUMBER: US/09/850,716A  
CURRENT FILING DATE: 2001-05-07  
NUMBER OF SEQ ID NOS: 440  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 134  
LENGTH: 4797  
TYPE: DNA  
ORGANISM: Homo sapien

FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(4797)  
OTHER INFORMATION: n = A,T,C or G  
US-09-850-716A-134

Query Match 87.9%; Score 285.8; DB 10; Length 4797;  
Best Local Similarity 96.1%; Pred. No. 6.3e-67;  
Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 4 GAGGGGGGAGGGGCTGGAGATCCTCTGACAGCACCCGCTGCTGTCGCCCCG 63  
|||||  
Db 3765 GAGGGGGGAGGGGCTGGAGATCCTCTGACAGCACCCGCTGCTGTCGCCCCG 3824  
64 TCTCCAGGGGCTCTCTCCCTCGGAATTCACGAGGCTGCTGAGGAGAGCTGCT 123  
|||||  
Db 3825 TCTCCAGGGGCTCTCTCCCTCGGAATTCACGAGGCTGCTGAGGAGAGCTGCT 3884  
QY 124 GAGGCGCTCCATCCAAAGGCGCAGTTCCTGTAAGCTCTGAGCCCAACCTGGCCCTG 183  
|||||  
Db 3885 GAGGCGCTCCATCCAAAGGCGCAGTTCCTGTAAGCTCTGAGCTCTGAGCCCAACCTGGCCCTG 3944  
QY 184 GCGTCGAAATCAGAAATTTTCCAAAGAGTATGCTTTTCTTTGGCAAACCTTAC 243  
|||||  
Db 3945 GCGTCGAAATCAGAAATTTTCCAAAGAGTATGCTTTTCTTTGGCAAACCTTAC 4004  
QY 244 TTAATCCAAATGGGTTTCTCTGTACAGTAGATTTCCTCAATTAATTAATTAATA 303  
|||||  
Db 4005 TTAATCCAAATGGGTTTCTCTGTACAGTAGATTTCCTCAATTAATTAATTAATA 4064  
QY 304 AAGTA 308  
|||||  
Db 4065 AAGTA 4069

RESULT 4  
US-09-880-107-3939  
; Sequence 3939, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/09/880.107  
; CURRENT FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: US 60/211,379  
; PRIOR FILING DATE: 2000-06-14  
; PRIOR APPLICATION NUMBER: US 60/237,054  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 3950  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 3939  
; LENGTH: 4797  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 248199  
; NAME/KEY: unsure  
; LOCATION: (1)...(4797)  
; OTHER INFORMATION: n = a or c or g or t  
US-09-880-107-3939

Query Match 87.9%; Score 285.8; DB 10; Length 4797;  
Best Local Similarity 96.1%; Pred. No. 6.3e-67;  
Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 4 GAGGGGGGAGGGGCTGGAGATCCTCTGACAGCACCCGCTGCTGTCGCCCCG 63  
|||||  
Db 3765 GAGGGGGGAGGGGCTGGAGATCCTCTGACAGCACCCGCTGCTGTCGCCCCG 3824

QY 64 TCTCCAGGGGCTCTCTCTCTGAAATTCAGAGGGGCTCTTGGGACAGTGGCTCT 123  
|||||  
Db 3825 TCTCCAGGGGCTCTCTCTCTGAAATTCAGAGGGGCTCTTGGGACAGTGGCTCT 3884  
QY 124 GAGGCGCTCCATCCAAAGGCGCAGTTCCTGTAAGCTCTGAGCCCAACCTGGCCCTG 183  
|||||  
Db 3885 GAGGCGCTCCATCCAAAGGCGCAGTTCCTGTAAGCTCTGAGCCCAACCTGGCCCTG 3944  
QY 184 GCGTCGAAATCAGAAATTTTCCAAAGAGTATGCTTTTGGCAAACCTTAC 243  
|||||  
Db 3945 GCGTCGAAATCAGAAATTTTCCAAAGAGTATGCTTTTGGCAAACCTTAC 4004  
QY 244 TTAATCCAAATGGGTTTCTCTGTACAGTAGATTTCCTCAATTAATTAATTAATA 303  
|||||  
Db 4005 TTAATCCAAATGGGTTTCTCTGTACAGTAGATTTCCTCAATTAATTAATTAATA 4064  
QY 304 AAGTA 308  
|||||  
Db 4065 AAGTA 4069

RESULT 5  
US-09-897-778-134  
; Sequence 134, Application US/09897778  
; Patent No. US20020147143A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Karterakis, Margarita  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Vedick, Thomas S.  
; APPLICANT: Carter, Darick  
; APPLICANT: Matsubae, Yoshihiro  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Beckham, David W.  
; APPLICANT: Fanger, Neil  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 210121.455C16  
; CURRENT APPLICATION NUMBER: US/09/897.778  
; CURRENT FILING DATE: 2001-06-28  
; NUMBER OF SEQ ID NOS: 467  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 134  
; LENGTH: 4797  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 135, 501, 4421, 4467, 4468, 4698  
; OTHER INFORMATION: n = A,T,C or G  
US-09-897-778-134

Query Match 87.9%; Score 285.8; DB 10; Length 4797;  
Best Local Similarity 96.1%; Pred. No. 6.3e-67;  
Matches 293; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 4 GAGGGGGGAGGGGCTGGAGATCCTCTGACAGCACCCGCTGCTGTCGCCCCG 63  
|||||  
Db 3765 GAGGGGGGAGGGGCTGGAGATCCTCTGACAGCACCCGCTGCTGTCGCCCCG 3824  
QY 64 TCTCCAGGGGCTCTCTCCCTCGGAATTCACGAGGCTGCTGAGGAGAGCTGCT 123  
|||||  
Db 3825 TCTCCAGGGGCTCTCTCCCTCGGAATTCACGAGGCTGCTGAGGAGAGCTGCT 3884  
QY 124 GAGGCGCTCCATCCAAAGGCGCAGTTCCTGTAAGCTCTGAGCCCAACCTGGCCCTG 183  
|||||  
Db 3885 GAGGCGCTCCATCCAAAGGCGCAGTTCCTGTAAGCTCTGAGCCCAACCTGGCCCTG 3944  
QY 184 GCGTCGAAATCAGAAATTTTCCAAAGAGTATGCTTTTGGCAAACCTTAC 243  
|||||  
Db 3945 GCGTCGAAATCAGAAATTTTCCAAAGAGTATGCTTTTGGCAAACCTTAC 4004  
QY 244 TTAATCCAAATGGGTTTCTCTGTACAGTAGATTTCCTCAATTAATTAATTAATA 303

Db 4005 TTAATCCATGGGTTTCCCTGTACAGTAGATTTCCTCAATGTAATAACTTTAATAATA 4064  
QY 304 AAGTA 308  
4065 AAGTA 4069

## RESULT 6

US-09-918-995-8387  
Sequence 8387, Application US/09918995  
Publication No. US2003073623A1  
GENERAL INFORMATION:

APPLICANT: Hyseq, Inc.  
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED  
FROM VARIOUS CDNA LIBRARIES  
FILE REFERENCE: 20411-756  
CURRENT APPLICATION NUMBER: US/09/918,995  
CURRENT FILING DATE: 2001-07-30  
PRIOR APPLICATION NUMBER: US/09/235,076  
NUMBER OF SEQ ID NOS: 38054  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 8387  
LENGTH: 408  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-918-995-8387

Query Match 65.2%; Score 212; DB 9; Length 408;  
Best Local Similarity 100.0%; Pred. No. 1.5e-47;  
Matches 212; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 GAGGGCGGCAAGGGGCTCGAGATCCTCCTGCAGACACGCGCTCCTGCTGGGCGCG 63  
Db 196 GAGGGCGGCAAGGGGCTCGAGATCCTCCTGCAGACACGCGCTCCTGCTGGGCGCG 255  
QY 64 TCTCCAGGGGCTGCTCTCTCTCTGGAATTTGACGAGGGGCTCTTGGGCGAGACTGGCTCT 123  
Db 256 TCTCCAGGGGCTGCTCTCTCTCTGGAATTTGACGAGGGGCTCTTGGGCGAGACTGGCTCT 315  
QY 124 GAGCGGCTTCATCCAGAGGCTTCTCCGTACCTCTGTGGCCGACCTGGGCGCTG 183  
Db 316 GAGCGGCTTCATCCAGAGGCTTCTCCGTACCTCTGTGGCCGACCTGGGCGCTG 375  
QY 184 GCGTGAATCAGATATTTTCCAAAGAGTGA 215  
Db 376 GCGTGAATCAGATATTTTCCAAAGAGTGA 407

## RESULT 7

US-09-736-457-1041/C  
Sequence 1041, Application US/09736457  
Patent No. US2002016867A1  
GENERAL INFORMATION:

APPLICANT: Wang, Tonglong  
APPLICANT: Bangur, Chaitanya S.  
APPLICANT: Lodes, Michael A.  
APPLICANT: Fanger, Gary  
APPLICANT: Vedrick, Tom  
APPLICANT: Carter, Darick  
APPLICANT: Retter, Marc  
APPLICANT: Mannion, Jane  
APPLICANT: Fan, Liqun  
APPLICANT: Wang, Aijun

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
FILE REFERENCE: 210121.478C15  
CURRENT APPLICATION NUMBER: US/09/736,457  
CURRENT FILING DATE: 2000-12-13  
NUMBER OF SEQ ID NOS: 1864  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 1041

LENGTH: 492  
TYPE: DNA  
ORGANISM: Homo sapien  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(492)  
OTHER INFORMATION: n = A,T,C or G  
US-09-736-457-1041

Query Match 44.4%; Score 144.4; DB 9; Length 492;  
Best Local Similarity 98.6%; Pred. No. 2.7e-29;  
Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 162 TGTGCCCCACCCTGGGCGCTGGGATCCAGATGATGATGCT 221  
Db 492 TGTGCCCCACCCTGGGCGCTGGGATCCAGATGATGATGCT 433  
QY 222 TTGGCTTTGGCAAACTCTACTTAATCCATGGGTTTCTGTACAGTAGATTTC 281  
Db 432 TTGGCTTTGGCAAACTCTACTTAATCCATGGGTTTCTGTACAGTAGATTTC 373  
QY 282 AATGTAACTTAATTAATAAGTA 308  
Db 372 AATGTAACTTAATTAATAAGTA 346

## RESULT 8

US-09-902-941-1041/C  
Sequence 1041, Application US/09902941  
Patent No. US20020172952A1  
GENERAL INFORMATION:

APPLICANT: Henderson, Robert A.  
APPLICANT: Wang, Tonglong  
APPLICANT: Watanabe, Yoshihiro  
APPLICANT: Johnson, Jeffrey C.  
APPLICANT: Retter, Marc W.  
APPLICANT: Marnerakis, Margarita  
APPLICANT: Carter, Darick  
APPLICANT: Fanger, Gary R.  
APPLICANT: Vedrick, Thomas S.  
APPLICANT: Bangur, Chaitanya S.  
APPLICANT: McNabb, Andria

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
AND DIAGNOSIS OF LONG CANCER  
FILE REFERENCE: 210121.478C17  
CURRENT APPLICATION NUMBER: US/09/902,941  
CURRENT FILING DATE: 2001-07-10  
NUMBER OF SEQ ID NOS: 2002  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1041  
LENGTH: 492  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 473  
OTHER INFORMATION: n = A,T,C or G  
US-09-902-941-1041

Query Match 44.4%; Score 144.4; DB 9; Length 492;  
Best Local Similarity 98.6%; Pred. No. 2.7e-29;  
Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 162 TGTGCCCCACCCTGGGCGCTGGGATCCAGATGATGATGCT 221  
Db 492 TGTGCCCCACCCTGGGCGCTGGGATCCAGATGATGATGCT 433  
QY 222 TTGGCTTTGGCAAACTCTACTTAATCCATGGGTTTCTGTACAGTAGATTTC 281  
Db 432 TTGGCTTTGGCAAACTCTACTTAATCCATGGGTTTCTGTACAGTAGATTTC 373  
QY 282 AATGTAACTTAATTAATAAGTA 308  
Db 372 AATGTAACTTAATTAATAAGTA 346



```
Db 372 AATGTATTAACCTTAAATATAAGTA 346

RESULT 9
US-09-849-626-1041/c
: Sequence 1041, Application US/09849626
: Publication No. US2002019769A1
: GENERAL INFORMATION:
: APPLICANT: Bangur, Chaitanya
: APPLICANT: Fanger, Gary
: APPLICANT: Wang, Aijun
: APPLICANT: Wang, Tongtong
: APPLICANT: McNeill, Patricia
: APPLICANT: Clapper, Jonathan
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: FILE REFERENCE: 210121.478C16
: CURRENT APPLICATION NUMBER: US/09/849,626
: CURRENT FILING DATE: 2001-05-03
: NUMBER OF SEQ ID NOS: 1926
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 1041
: LENGTH: 492
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc-feature
: LOCATION: (1)...(492)
: OTHER INFORMATION: n = A,T,C or G
US-09-849-626-1041

Query Match 44.4%; Score 144.4; DB 9; Length 492;
Best Local Similarity 98.6%; Pred. No. 2.7e-29;
Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 162 TGTGGCCCAACCCCTGGGCGCTGGATCAGAAATTTTCCAAAGAGTAGTAGCT 221
Db 492 TGTGGCCCAACCCCTGGGCGCTGGATCAGAAATTTTCCAAAGAGTAGTAGCT 433
QY 222 TTGCTTTTGGCAAACTCTACTTAATCCATGGTTTTCCTGTACAGTAGATTTC 281
Db 432 TTGCTTTTGGCAAACTCTACTTAATCCATGGTTTTCCTGTACAGTAGATTTC 373
QY 282 AATGTATTAACCTTAAATATAAGTA 308
Db 372 AATGTATTAACCTTAAATATAAGTA 346

RESULT 10
US-10-017-754-1041/c
: Sequence 1041, Application US/10017754
: Publication No. US20030054363A1
: GENERAL INFORMATION:
: APPLICANT: Henderson, Robert A.
: APPLICANT: Wang, Tongtong
: APPLICANT: Watanabe, Yoshihiro
: APPLICANT: Johnson, Jeffrey C.
: APPLICANT: Retter, Marc W.
: APPLICANT: Marnerakis, Margarita
: APPLICANT: Carter, Gary R.
: APPLICANT: Fanger, Gary R.
: APPLICANT: Vedvyak, Thomas S.
: APPLICANT: Bangur, Chaitanya S.
: APPLICANT: McNabb, Acdia
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
: FILE REFERENCE: 210121.478C18
: CURRENT APPLICATION NUMBER: US/10/017,754
: CURRENT FILING DATE: 2001-10-29
: NUMBER OF SEQ ID NOS: 2004
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 1041

: LENGTH: 492
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc-feature
: LOCATION: 473
: OTHER INFORMATION: n = A,T,C or G
US-10-017-754-1041

Query Match 44.4%; Score 144.4; DB 9; Length 492;
Best Local Similarity 98.6%; Pred. No. 2.7e-29;
Matches 145; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 162 TGTGGCCCAACCCCTGGGCGCTGGATCAGAAATTTTCCAAAGAGTAGTAGCT 221
Db 492 TGTGGCCCAACCCCTGGGCGCTGGATCAGAAATTTTCCAAAGAGTAGTAGCT 433
QY 222 TTGCTTTTGGCAAACTCTACTTAATCCATGGTTTTCCTGTACAGTAGATTTC 281
Db 432 TTGCTTTTGGCAAACTCTACTTAATCCATGGTTTTCCTGTACAGTAGATTTC 373
QY 282 AATGTATTAACCTTAAATATAAGTA 308
Db 372 AATGTATTAACCTTAAATATAAGTA 346

RESULT 11
US-10-079-623-76
: Sequence 76, Application US/10079623
: Patent No. US20020169302A1
: GENERAL INFORMATION:
: APPLICANT: Havukkala, Ilkka J.
: APPLICANT: Glenn, Matthew
: APPLICANT: Grigor, Murray R.
: APPLICANT: Molenaar, Adrian J.
: TITLE OF INVENTION: Compositions isolated from bovine
: FILE REFERENCE: 11000.104A3
: CURRENT APPLICATION NUMBER: US/10/079,623
: CURRENT FILING DATE: 2002-02-19
: NUMBER OF SEQ ID NOS: 370
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 76
: LENGTH: 253
: TYPE: DNA
: ORGANISM: Bovine
US-10-079-623-76

Query Match 37.0%; Score 120.4; DB 9; Length 253;
Best Local Similarity 75.6%; Pred. No. 5.6e-23;
Matches 189; Conservative 0; Mismatches 56; Indels 5; Gaps 3;

QY 77 CTTCCTCTCGTGAATTTGACGAGGGGTCTTTGGCAGAGCTGCTGTAGCGCTTCATC 136
Db 4 CTTCCTCTCGTGAATTTGACGAGGGGTCTTTGGCAGAGCTGCTGTAGCGCTTCATC 63
QY 137 CAAGCCAGGTTCTCCCTTAGCTCTCTGTGGCCCAACCTTGAGGCTCGGGCTGGAATCAG 196
Db 64 GATGACACAGGCTCAGCTTTGATTAGCT--CCGTACCCGAGCTGTGGCGCGGAATCAG 121
QY 197 AATATTTTCCAAAGAGTAGTAGCTTTTGGCTTTGGCAAAAC--TCTACTTATATCCATGG 285
Db 122 AATA--TTCCAAAGAGTAGTAGCTTTTGGCTTTGGCAAAAC--TCTACTTATATCCATGG 179
QY 256 GTTTTCTCTGTACAGTAGATTTCCTCAATGTAAATTAATTAAGTAAGTAAGTAAGTA 315
Db 180 GTTTTCTCTGTACAGTAGATTTCCTCAATGTAAATTAATTAAGTAAGTAAGTAAGTA 239
QY 316 AAAAAAAAAA 325
Db 240 GAAAAAAAAA 249
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Query Match	13.78;	Score 44.6;	DB 10;	Length 748;
Best Local Similarity	58.88;	Pred. No. 0.026;		
Matches 77; Conservative	0;	Mismatches 54;	Indels 0;	Gaps 0

RESULT 13  
US-09-764-877-121/c  
; Sequence 121, Application US/09764877  
; Patent No. US20020147140A1

Query Match 13.28; Score 42.8; DB 10; Length 617;  
Best Local Similarity 51.68; Pred. No. 0.072;  
Matches 98; Conservative 0; Mismatches 92; Indels 0; Gaps 0;

[illegible]

RESULT 14  
US-09-918-995-24997

```

Query Match      13.1%; Score 42.6; DB 9; Length 330;
Best Local Similarity 58.1%; Pred. No. 0.06;
Matches 75; Conservative 0; Mismatches 54; Indels 0; Gaps 0

```

RESULT 15  
US-09-813-153-35  
: Sequence 35, Application US/09813153

1 APPLICANT: Rosen et al.  
2 TITLE OF INVENTION: 67 Human secreted proteins  
3 FILE REFERENCE: P2023  
4 CURRENT APPLICATION NUMBER: US/09/813,153  
5 CURRENT FILING DATE: 2001-03-21  
6 PRIOR APPLICATION NUMBER: US/09/363,044  
7 PRIOR FILING DATE: 1999-07-29  
8 PRIOR APPLICATION NUMBER: 60/073,160  
9 PRIOR FILING DATE: 1998-01-30  
10 PRIOR APPLICATION NUMBER: 60/073,159  
11 PRIOR FILING DATE: 1998-01-30  
12 PRIOR APPLICATION NUMBER: 60/073,165  
13 PRIOR FILING DATE: 1998-01-30  
14 PRIOR APPLICATION NUMBER: 60/073,164  
15 PRIOR FILING DATE: 1998-01-30  
16 PRIOR APPLICATION NUMBER: 60/073,167  
17 PRIOR FILING DATE: 1998-01-30  
18 PRIOR APPLICATION NUMBER: 60/073,162  
19 PRIOR FILING DATE: 1998-01-30



Query Match	12.5%;	Score 40.6;	DB 9;	Length 400
Best Local Similarity	57.5%;	Pred. No. 0.23;		

```

: RESULT 21
: US-09-771-208-20
: Sequence 20, Application US/09771208
: Patent No. US20020155641
: GENERAL INFORMATION:
: APPLICANT: MEDRANO, JUAN
: APPLICANT: BRADFORD, ERIC
: APPLICANT: HORVAT, SIMON
: TITLE OF INVENTION: CLONING OF A HIGH-GROWTH GEN
: FILE REFERENCE: 407T-923710US
: CURRENT APPLICATION NUMBER: US/09/771,208
: CURRENT FILING DATE: 2001-01-26
: PRIOR APPLICATION NUMBER: US 08/999,477
: PRIOR FILING DATE: 1997-12-29
: NUMBER OF SEQ. ID NOS: 20
: SOFTWARE: PatentIn version 3.0
: SEQ. ID NO. 20

```

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LENGTH: 659158
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: misc-feature
LOCATION: (123459)..(123478)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (602466)..(602485)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (546989)..(547017)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (494715)..(494814)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (390986)..(391005)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (346860)..(346823)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (317174)..(317193)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (280353)..(280373)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (271829)..(271848)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (183872)..(183891)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (170625)..(170645)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
LOCATION: (132680)..(132700)
OTHER INFORMATION: n is unidentified a, c, g, or t
NAME/KEY: misc-feature
OTHER INFORMATION: n is a, c, g, or t
US-09-771-208-20

Query Match          12.2%  Score 39.8;  DB 9;  Length 659158;
Best Local Similarity 47.1%;  Pred. No. 14;
Matches 122;  Conservative 0;  Mismatches 137;  Indels 0;  Gaps 0;

QY 63 GTCCTCAGGGGCTGCTTCCTCGTAATTTGACGAGGGGTGCTTGGCGACAGCTGCGTC 122
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 39253 GTTTGAGAGAGGTATATTTGAGGACAGCGCTCCAGGCTGGGGGTGTTAAAGCTG 39312
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 123 TGACGCGCTCATCCAGGCCAGGTTCTCCGTAAGCTCTGTGGCCGCCACCTGGGCCCT 182
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 39313 TGAATGAGCTTTGGCAAGATGCTCCGTAAGTAAAGTCTCTCTAAGCTAAGTAGACT 39372
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 183 GGGCTGGAAATCAGGATATTTTCCAAAGAGTGAATCTTTTGGCTTTTGGGAAACTCTA 242
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 39373 GAGTTGATCCCGGAAATCCATGCTGTGGAAGGAGACACTAATGCTCTGTGGCCCA 39432
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 243 CTAAATCCAAATGGGTTTCTCTACAGTAGATTTTCCAAATGAATTAATTAATAT 302
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 39433 CATTGGGACGAGGTAAGTGTACAGCCCATGTCCTTACAGAAAGAAAGTCAATGT 39492
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 303 AAAGTAAAAAAGAAAAA 321
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 39493 AATTAAAAAAGAAAAA 39511
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 22
US-09-960-352-12673/c
; Sequence 12673, Application US/09960352
; Patent No. US20020137139A1
```

```
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960.352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 12673
LENGTH: 277
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 54-LIB3058-039-Q1-K1-F10
US-09-960-352-12673

Query Match          12.2%  Score 39.6;  DB 10;  Length 277;
Best Local Similarity 56.0%;  Pred. No. 0.35;
Matches 75;  Conservative 0;  Mismatches 59;  Indels 0;  Gaps 0;

QY 192 TCAGGAATATTTCCAAAGAGTATGATGCTTTGGCAAACTCTACTTAATCA 251
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 219 TCAGGAATATTTTCATTTTAAATTTTCTTTTAAATTTTAAATTTT 160
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 252 ATGGGTTTCTCTGCTACAGTATTTTCCAAATGAATTAATTAATTAATTAAT 311
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 159 TTTTATTTTATTTTAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAA 100
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 312 AAAAAAAGAAAAA 325
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 99 AAAAAAAGAAAAA 86
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 23
US-09-960-352-7904/c
; Sequence 7904, Application US/09960352
; Patent No. US20020137139A1
GENERAL INFORMATION:
APPLICANT: Warren, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/09/960.352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 7904
LENGTH: 241
TYPE: DNA
ORGANISM: Bos taurus
OTHER INFORMATION: Clone ID: 34-LIB3057-019-Q1-K1-A10
US-09-960-352-7904

Query Match          12.1%  Score 39.4;  DB 10;  Length 241;
Best Local Similarity 67.9%;  Pred. No. 0.37;
Matches 55;  Conservative 0;  Mismatches 26;  Indels 0;  Gaps 0;

QY 245 TAATCAATGGGTTTCTCTGCTACAGTATTTTCCAAATGAATTAATTAATTA 304
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 211 TAATGAATTAATGAATTTTAAATAATTAATTAATTAATTAATTAATTAATTA 152
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 305 AGTAAAAAAGAAAAAAGAAAAA 325
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 151 AATAAAAAAGAAAAAAGAAAAA 131
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 24
US-09-880-107-1117/c
; Sequence 1117, Application US/09880107
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[illegible]

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? NAME/KEY: Coding Sequence
? LOCATION: 115...702
? OTHER INFORMATION: apoaequorin-encoding gene
? PUBLICATION INFORMATION:
? AUTHORS: Inouye et al.
? JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
? VOLUME: 82
? PAGES: 3154-3158
? DATE: (1985)
? DOCUMENT NUMBER: 5,093,240
? SEQUENCE DESCRIPTION: SHD ID NO: 5
US-10-126-139-5

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AUTHORS: Inouye et al.  
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.

RESULT 29  
US-09-803-211-5





us-09-825-682a-57.rnpb

Page 13

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Oy      272 TGGATTTCGAATGTAAATTAACCTTTAATATAAGTAAAAAAAAAAAAAAAAAA   325
          ||||| | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      672 CAGACTTACAATCCAAAAGCTAATAAAAAAATAAAAAAAAAAAAAAAAAA     925
```